

Determination of Public Land (Rangeland) Health for 65062 SLASH G

The Record of Decision (ROD) for the New Mexico Standards for Public Land Health and Guidelines for Livestock Grazing Management (dated January 2001) adopted three Standards for Public Land Health. These are (1) Upland Sites Standard, (2) Biotic Communities, Including Native, Threatened, Endangered, and Special Status Species Standard and (3) Riparian Sites Standard.

The ROD also established a process for the BLM Field Offices for the implementation. Through a public participation process, the Roswell Field Office developed and adopted indicators to use in conjunction with existing monitoring data to assess these Standards.

Field assessment worksheets and other available data which evaluate the local indicators, were completed for this allotment. Based on the assessments, it is my determination that the Public Lands within the Slash G Allotment #65062 meets the Upland Sites Standard, (2) Biotic Communities, Including Native, Threatened, Endangered, and Special Status Species Standard and (3) the Riparian Standard.

/s/ T. R. KREAGER
Assistant Field Manager

07/22/2004
Date

Standards of Public Land Health

Evaluation of 65062 SLASH G Allotment

[07/07/2003]

The Roswell Field Office conducted rangeland health assessments at nine study sites within the SLASH G allotment #65062. The assessments looked at the Soil/Site Stability, Hydrologic Function and Biotic Integrity indicators within the vicinity of each study site. Existing monitoring data was incorporated into and in support of the field assessment. The summary of each assessment is attached and shown in the following table.

Study Area or Assessment Area	UPLAND			BIOTIC			RIPARIAN		
	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet
65062-#10E-D109	X			X			N/A		
65062-#10W-D110	X			X			N/A		
65062-#3N-D106 (*)	X			X			N/A		
65062-#3S-D107 (*)	X			X			N/A		
65062-#9-D108	X			X			N/A		
65062-COMANCHE DRAW-D105	X			X			N/A		
65062-SORENSEN-D266	X			X			N/A		
65062-SPRING-D104	X			X			X		
65062-WEST-D103	X			X			N/A		

Twenty-two (22) indicators for Rangeland Health were evaluated for the SLASH G allotment #65062; 10 of these assessed met Ranch; 10 of these assessed soil/site stability, 11 assessed hydrologic functions and 13 assessed biotic integrity. These qualitative assessments along with quantitative information from long-term monitoring studies on nine (9) study areas, were utilized to assess the rangeland health of the public land within the allotment. These quantitative evaluations were performed by the Roswell Field office staff starting in the early 1980's. These included ground and vegetative cover and

composition, production, frequency, and ecological condition as calculated from these collections which have been scheduled approximately every 5 years.

Prior to 2001 this allotment was run under a rapid rotation grazing system, generally using two herds. Under this system which requires close attention to range conditions, the range vegetation and cover components increased in rating under the NRCS range site descriptions. In 1998 lower amounts of precipitation were received across the resource area, marking the beginning of the current drought period. In 2001 the base property was sold to a new allottee, who reduced the amount of active grazing on the allotment to approximately 57% the second year, then applied for full Non Use stating drought conditions as the reason.

In the Comanche Draw pasture, annual production amounts are rated as moderate due to the ongoing reduced levels of precipitation. Invasive species here include scattered salt cedar, prickly pear and yucca. Vegetative cover, according to the most recent survey had increased. This pasture has shown a slow but steady increase in vegetative cover since 1981.

The Spring pasture has also shown a slow and steady increase in vegetative cover, although reproductive capability has been effected by the drought conditions. The actual spring location has a buffer of salt cedar which could be removed by either mechanical or mechanical/herbicide treatment. Other invasives here include scattered prickly pear and yucca. Due to the amount of cover, the soils are protected from wind and water erosion. Composition of the vegetation appears to be in line for what is expected of the site.

The West pasture has an established population of mesquite, prickly pear, snakeweed and scattered yellow spine thistle in the SE corner of the pasture. The pasture could benefit by use of limited treatment of this area, and those options could be explored in the future. Cover throughout the remainder of the pasture is well within the expected range and are increasing. The vegetative composition for the site is also appropriate. Again, litter amounts and reproductive capability appear to be low, due to drought conditions.

The Sorenson pasture overall shows none to slight departure from the Ecological Site description for the area. Some invasives, yucca and yellow spine thistle are present, but are not strongly evident. Vegetative cover has increased over time, since the onset of the vegetation studies. Reproduction here, as in other pastures, has been limited by the ongoing drought. All the functional /structural groups are present, but are not as abundant as they normally would be, again due to drought.

Conditions within the 3N pasture for the most part vary little from what is expected in the Ecological Range Site. Drought conditions has obviously affected the reproduction of the plants reducing the amount of annual production and resulting litter. Invasives are evident within the pasture, but are not at a level that would create overall concern. Functional /structural groups are being maintained at the appropriate level for the site.

Vegetative cover within the 3S pasture has maintained a slow increase since the early 1980's. All factors considered, exclusive of invasive plants such as prickly pear and yucca, annual production and reproductive capability, are within the none to slight departure from the ecological range site description. Reproduction capability is evident, illustrated by the presence of seed head and stolon development. Annual production is considered to be moderate, again in response to the low levels of precipitation.

The #9 Pasture within this allotment has maintained a steady level of ground cover, however invasive plants such as mesquite, prickly pear, and creosote are apparent. The soils are deeper in this pasture and the presence of mesquite may be an influence on the Plant community and distribution relative to infiltration and runoff as this factor was rated at slight to moderate. The shrub increase noted in the Function/structural group may also be a result of the drought conditions. Dormant plants of all groups were noted here, resulting in lower annual production and litter.

Ground cover conditions in the 10 W pasture have also maintained a slow increase over time. Exclusive of litter amounts and annual production, which are low in response to low level of precipitation, all other factors rated either at no to slight departure or slight to moderate departure from the Ecological Range site description. The reproductive capability of the plants in the area although limited by drought conditions still showed evidence of seed head or stolon/rhizome development.

The 10 E Pasture is the only pasture within the allotment that showed a decrease in the vegetative cover, since the onset of the studies. However, the two species which have decreased are snakeweed and burro grass. Other plants such as *Hilaria* and *Bouteloua* species have increased. Other factors which are rated within this pasture, overall have been at "none to slight" departure from the Ecological Range Site Description. Some invasives such as mesquite, yucca and prickly pear were noted. Small limited site treatments might be considered to restrain further infestation spread. As in all of the other pastures, drought conditions have limited the amount of reproduction, annual production and resulting litter.

Hydrology - The #10 E and #10 W pasture's litter amount has decreased from a result of drought conditions and low precipitation that has decreased the amount of litter that is produced. Sand and gravel, clay and silt that are located on the surface are Quaternary alluvium deposits. Rock outcrops of sandstone and conglomerate that occur in the area are from the Santa Rosa Formation.

The #3 N pasture's litter amount has decreased from a result of drought conditions and low precipitation that has decreased the amount of litter that is produced. The litter amount is in the bottom of the expected range per ESD. Sand and gravel that occur in the area are from Quaternary pediment deposits. Rock outcrops of gypsum, dolomite and siltstone that occur in the area are from the Yates Formation.

The #3 S pasture physical crusts occur in protected areas with a minor component in interspaces, which has a moderate effect on soil stability and water infiltration into the

soils. Sand and gravel, clay and silt that are located on the surface are Quaternary alluvium deposits. Rock outcrops of sandstone and conglomerate that occur in the area are from the Santa Rosa Formation.

The #9 pasture has rated moderate for bareground. The #1 pasture has experienced drought, water erosion, and wind erosion conditions that has possibly increased the amount of bare ground. Sand and gravel that occur in the area are from Quaternary pediment deposits. Rock outcrops of gypsum, dolomite and siltstone that occur in the area are from the Yates Formation.

The Comanche draw pasture's active rill formation is slight and at infrequent intervals in exposed areas. The area has experienced drought, water erosion, and wind erosion conditions that has possibly increased the amount of bare ground. Sand and gravel, clay and silt that are located on the surface are Quaternary terrace gravel deposits. Rock outcrops of gypsum and dolomite that occur in the area are from the Seven Rivers Formation.

The Sorenson pasture has experienced drought, water erosion, and wind erosion conditions that has possibly increased the amount of bare ground. Sand and gravel that occur in the area are from Quaternary pediment deposits. Rock outcrops of gypsum, dolomite and siltstone that occur in the area are from the Yates Formation.

The west pasture has experienced drought, water erosion, and wind erosion conditions that has possibly increased the amount of bare ground. pasture's litter amount has decreased from a result of drought conditions and low precipitation that has decreased the amount of litter that is produced. Sand and gravel that occur in the area are from Quaternary pediment deposits. Rock outcrops of gypsum and dolomite that occur in the area are from the Seven Rivers Formation.

Wildlife/Biotic - Evaluation of the integrity of the biotic community considered several indicators as attribute indices for the area of interest. Biotic indicators are interrelated with several other indicators, including soil/site stability, hydrologic function, and vegetation. Several indicators are singularly biotic and address the vegetative aspect of the ecological site description, such as Functional/Structural Groups and Plant Mortality & Decadence, as discussed above. In addition to the standard worksheet biotic factors, four specific wildlife indicators are included in the biotic evaluation.

This area lies east of the Pecos River on the Comanche escarpment. Access is limited due to land status patterns adjoining State Highways and County Roads.

Specifically, one site with one biotic indicator fell within the Moderate/Extreme rating; annual production. Numerous sites for annual production had a rating of Moderate. Considering present climatic conditions, this indicator can be expected to fall within the normal range of variability. The Invasive plants indicator was moderate to extreme on several sites inferring a need for treatment on mesquite, saltcedar and creosote. Other biotic indicators that fell within the moderate range include: annual production,

reproductive capability, litter amount and wildlife populations. The indicators fell within this category due to the prolonged drought conditions. These indicators will rebound during normal climatic regimes. Wildlife population monitoring data is not readily available for all species, however drought conditions have affected those species that are dependent upon grass cover and forbs for foraging.

A Spring located in Spring pasture is special habitat feature within the grassland plant community. Currently the spring is dry but habitat features such as trees, shrubs, sedges and other forbs and grasses are present and provide quality habitat for most wildlife. The enclosure needs some maintenance and could be expanded to enhance the vegetative community.

With respect to Special Status Species, none are known to occur in the area of interest at this time and the Habitat and Population indicators are, therefore, rated None to Slight.

It is the professional opinion of the Assessment Team. that the public land within the Slash G allotment meets the Upland, Biotic, and Riparian standards. The riparian standard is an issue for Spring Pasture only. See specific site note comments and recommendations for this pasture.

The (*) indicates that the assessment had one or more indicator(s) rated moderate/extreme or extreme. These indicators are:

- Invasive Plants

These indicators by themselves are not enough to rate the site as not meeting a standard but may warrant future monitoring.

Recommendations: Some of the pastures have small infestations of salt cedar, mesquite, prickly pear or yellow spine thistle. I would recommend considering some kind of treatment, whatever is appropriate for the species, population size and location in effort to reduce or eliminate the potential for spread of the invading plants.

RFOs Upland and Biotic Standard Assessment Summary Worksheet						
SITE 65062-#10E-D109						
Legal Land Desc	SWSW 9 0120S 0270E Meridian 23	Acreage		1119		
Ecosite	042CY007NM LOAMY SD-3	Photo Taken		Y		
Watershed	13060007040 DEXTER EAST					
Observers	MCGEE, MILLER	Observation Date		09/25/2003		
County Soil Survey	NM666 CHAVES SOUTH	Soil Var/Taxad				
Soil Map Unit	So	Soil Taxon Name		SOTIM		
Texture Class	NM666 FSL	Soil Phase		SOTIM		
Texture Modifier	NM666 FINE SANDY LOAM					
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation				
NOAA Annual Precipitation	9.63	NOAA Growing Season Precipitation		5.69		
NOAA Avg Annual Precipitation	12.79	NOAA Avg Growing Season Precipitation		10.67		
Disturbances and Animal Use:						
Part 2. Attributes and Indicators						
		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills					X
Comments :						
S H	Water Flow Patterns				X	
Comments :						
S H	Pedestals and/or Terracettes					X
Comments						

:						
S H	Bare Ground					X
Comments :						
S H	Gullies				X	
Comments :						
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments :						
H	Litter Movement				X	
Comments :	toward slight.					
S H B	Soil Surface Resistance to Erosion					X
Comments :						
S H B	Soil Surface Loss or Degradation				X	
Comments :	Toward slight side.					
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments :	Toward slight side.					
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups					X
Comments :						
B	Plant Mortality/Decadence					X
Comments :						
H B	Litter Amount			X		
Comments	little litter amount due to reduced growth of plants, limited by low					

:	precipitation.					
B	Annual Production			X		
Comments :						
B	Invasive Plants			X		
Comments :	Site is invaded by mesquite, yucca and prickly pear.					
B	Reproductive Capability of Perennial Plants			X		
Comments :	Limited by low precipitation.					
S	Physical/Chemical/Biological Crusts				X	
Comments :	Physical crusts present, no biological crusts.					
B	Wildlife Habitat					X
Comments :						
B	Wildlife Populations				X	
Comments :	Wildlife noted: quail, termites and lots of ants. Available doing well, antelope fawn crop may be low.					
B	Special Status Species Habitat					X
Comments :	None known to occur					
B	Special Status Species Populations					X
Comments :	None known to occur.					
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	4	6

H	Hydrologic	0	0	1	5	5
B	Biotic	0	0	4	2	7
<p>B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i>, and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.</p>						
Attribute	Rationale	Does Not Meet	May Need More Info	Meets		
Soil		0	0	10		
Hydrologic		0	1	10		
Biotic		0	4	9		
Site Notes:						

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 65062-#10W-D110

Legal Land Desc	NWNE 8 0120S 0270E Meridian 23	Acreage	844
Ecosite	042CY025NM SHALLOW SD-3	Photo Taken	Y
Watershed	13060007040 DEXTER EAST		
Observers	MCGEE, MILLER	Observation Date	09/25/2003
County Soil Survey	NM666 CHAVES SOUTH	Soil Var/Taxad	
Soil Map Unit	Te	Soil Taxon Name	TENCEE
Texture Class	NM666 GR-SL	Soil Phase	TENCEE
Texture Modifier	NM666 GRAVELLY SANDYLOAM		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation	9.63	NOAA Growing Season Precipitation	5.69
NOAA Avg Annual Precipitation	12.79	NOAA Avg Growing Season Precipitation	10.67
Disturbances and Animal Use:			

Part 2. Attributes and Indicators

		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills					X
Comments :						
S H	Water Flow Patterns				X	
Comments :						
S H	Pedestals and/or Terracettes					X

Comments :						
S H	Bare Ground				X	
Comments :						
S H	Gullies				X	
Comments :	On slight side					
S	Wind-scoured, Blowouts, and/or Deposition Areas				X	
Comments :	Infrequent					
H	Litter Movement					X
Comments :	Little litter to move, due to low production					
S H B	Soil Surface Resistance to Erosion				X	
Comments :						
S H B	Soil Surface Loss or Degradation				X	
Comments :						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments :						
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups					X
Comments :						
B	Plant Mortality/Decadence				X	
Comments :						
H B	Litter Amount			X		

Comments :	Litter present today is in the bottom of expected per ESD.					
B	Annual Production			X		
Comments :	Low precipitation = low production. Not limited by livestock or other uses.					
B	Invasive Plants					X
Comments :						
B	Reproductive Capability of Perennial Plants				X	
Comments :	Limited by drought, few seed head but tillers are occurring.					
S	Physical/Chemical/Biological Crusts				X	
Comments :	Physical crusts only.					
B	Wildlife Habitat					X
Comments :						
B	Wildlife Populations				X	
Comments :	Wildlife noted here include quail, termites, ants, turtles and rattlesnakes. Quail populations are OK, antelope fawning is low, due to low forb production which is due to low precipitation amounts.					
B	Special Status Species Habitat					X
Comments :	None known to occur.					
B	Special Status Species Populations					X
Comments :	None known to occur.					
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to	Moderate	Slight to Moderate	None to

			Extreme		e	Slight
S	Soil	0	0	0	7	3
H	Hydrologic	0	0	1	6	4
B	Biotic	0	0	2	5	6
<p>B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i>, and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.</p>						
Attribute	Rationale		Does Not Meet		May Need More Info	Meets
Soil			0		0	10
Hydrologic			0		1	10
Biotic			0		2	11
Site Notes:						

RFOs Upland and Biotic Standard Assessment Summary Worksheet						
SITE 65062-#3N-D106						
Legal Land Desc	NWNE 36 0110S 0260E Meridian 23	Acreage		702		
Ecosite	042CY007NM LOAMY SD-3	Photo Taken		Y		
Watershed	13060007010 GOPHER					
Observers	MCGEE, MILLER	Observation Date		09/25/2003		
County Soil Survey	NM666 CHAVES SOUTH	Soil Var/Taxad				
Soil Map Unit	TS	Soil Taxon Name		TENCEE		
Texture Class	NM666 FSL	Soil Phase		TENCEE- SOTIM		
Texture Modifier	NM666 GRAVELLY FINE SAND					
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation				
NOAA Annual Precipitation	9.63	NOAA Growing Season Precipitation		5.69		
NOAA Avg Annual Precipitation	12.79	NOAA Avg Growing Season Precipitation		10.67		
Disturbances and Animal Use:						
Part 2. Attributes and Indicators						
		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills					X
Comments :						
S H	Water Flow Patterns				X	
Comments :						

S H	Pedestals and/or Terracettes				X	
Comments :						
S H	Bare Ground			X		
Comments :						
S H	Gullies				X	
Comments :						
S	Wind-scoured, Blowouts, and/or Deposition Areas				X	
Comments :						
H	Litter Movement				X	
Comments :						
S H B	Soil Surface Resistance to Erosion				X	
Comments :						
S H B	Soil Surface Loss or Degradation				X	
Comments :						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments :						
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups				X	
Comments :						
B	Plant Mortality/Decadence				X	
Comments :						

H B	Litter Amount			X		
Comments :						
B	Annual Production			X		
Comments :						
B	Invasive Plants		X			
Comments :						
B	Reproductive Capability of Perennial Plants				X	
Comments :						
S	Physical/Chemical/Biological Crusts				X	
Comments :	Physical crusts present only.					
B	Wildlife Habitat					X
Comments :						
B	Wildlife Populations				X	
Comments :						
B	Special Status Species Habitat					X
Comments :	None known to occur.					
B	Special Status Species Populations					X
Comments :	None known to occur					
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to	Moderate	Slight to Moderate	None to

			Extreme		e	Slight
S	Soil	0	0	1	7	2
H	Hydrologic	0	0	2	7	2
B	Biotic	0	1	2	6	4
<p>B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i>, and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.</p>						
Attribute	Rationale		Does Not Meet		May Need More Info	Meets
Soil			0		1	9
Hydrologic			0		2	9
Biotic			1		2	10
Site Notes:						

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 65062-#3S-D107

Legal Land Desc	SENE 7 0120S 0270E Meridian 23	Acreage	722
Ecosite	042CY007NM LOAMY SD-3	Photo Taken	Y
Watershed	13060007040 DEXTER EAST		
Observers	MCGEE, MILLER	Observation Date	09/25/2003
County Soil Survey	NM666 CHAVES SOUTH	Soil Var/Taxad	
Soil Map Unit	RL	Soil Taxon Name	REEVES
Texture Class	NM666 L	Soil Phase	REEVES- HOLLOMAN
Texture Modifier	NM666 LOAM		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation	9.63	NOAA Growing Season Precipitation	5.69
NOAA Avg Annual Precipitation	12.79	NOAA Avg Growing Season Precipitation	10.67
Disturbances and Animal Use:			

Part 2. Attributes and Indicators

		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills					X
Comments :						
S H	Water Flow Patterns				X	
Comments :						
S H	Pedestals and/or Terracettes					X

Comments :						
S H	Bare Ground				X	
Comments :						
S H	Gullies				X	
Comments :						
S	Wind-scoured, Blowouts, and/or Deposition Areas				X	
Comments :						
H	Litter Movement					X
Comments :						
S H B	Soil Surface Resistance to Erosion				X	
Comments :						
S H B	Soil Surface Loss or Degradation				X	
Comments :						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments :						
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups					X
Comments :						
B	Plant Mortality/Decadence				X	
Comments :	Active growth has been limited by low precipitation. Plants appear to be dormant, but not decadent or dead.					
H B	Litter Amount				X	

Comments :						
B	Annual Production			X		
Comments :	Annual production has been limited by low precipitation.					
B	Invasive Plants		X			
Comments :	Site is invaded by prickly pear and yucca.					
B	Reproductive Capability of Perennial Plants			X		
Comments :	Some seed & some stolons present - limited growth due to limited precipitation.					
S	Physical/Chemical/Biological Crusts			X		
Comments :						
B	Wildlife Habitat					X
Comments :						
B	Wildlife Populations				X	
Comments :						
B	Special Status Species Habitat					X
Comments :	None known to occur.					
B	Special Status Species Populations					X
Comments :	None known to occur.					
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight

S	Soil	0	0	1	6	3
H	Hydrologic	0	0	0	7	4
B	Biotic	0	1	2	5	5
<p>B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i>, and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.</p>						
Attribute	Rationale	Does Not Meet	May Need More Info	Meets		
Soil		0	1	9		
Hydrologic		0	0	11		
Biotic		1	2	10		
Site Notes:						

RFOs Upland and Biotic Standard Assessment Summary Worksheet						
SITE 65062-#9-D108						
Legal Land Desc	SWSW 1 0120S 0260E Meridian 23	Acreage		120		
Ecosite	042CY006NM GYP UPLAND SD-3	Photo Taken		Y		
Watershed	13060007010 GOPHER					
Observers	R. FRENCH, M. MCGEE, H. MILLER	Observation Date		09/06/2003		
County Soil Survey	NM666 CHAVES SOUTH	Soil Var/Taxad				
Soil Map Unit	HrC	Soil Taxon Name		HOLLOMAN		
Texture Class	NM666 L	Soil Phase		HOLLOMAN- GYPSUM LAND		
Texture Modifier	NM666 LOAM					
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation				
NOAA Annual Precipitation	9.63	NOAA Growing Season Precipitation		5.69		
NOAA Avg Annual Precipitation	12.71	NOAA Avg Growing Season Precipitation		10.58		
Disturbances and Animal Use:						
Part 2. Attributes and Indicators						
		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills				X	
Comments :						
S H	Water Flow Patterns				X	
Comments :						

S H	Pedestals and/or Terracettes				X	
Comments :						
S H	Bare Ground			X		
Comments :						
S H	Gullies				X	
Comments :						
S	Wind-scoured, Blowouts, and/or Deposition Areas				X	
Comments :						
H	Litter Movement				X	
Comments :						
S H B	Soil Surface Resistance to Erosion				X	
Comments :						
S H B	Soil Surface Loss or Degradation				X	
Comments :						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments :	May be influenced by mesquite on areas with deeper soils.					
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups				X	
Comments :	Moving toward Moderate, shrub density increasing in areas of deeper soils.					
B	Plant Mortality/Decadence					X
Comments :	Plants appear to be dormant, not decadent or dead.					

H B	Litter Amount				X	
Comments :	lack of production results in a lack of available litter.					
B	Annual Production			X		
Comments :	Production is limited due to the low amounth of preciipitation during the growing season,					
B	Invasive Plants				X	
Comments :	Invasives include prickly pear, mesquite, creosot and occassionally yucca.					
B	Reproductive Capability of Perennial Plants				X	
Comments :	Both stolons and seed head are found on this site.					
S	Physical/Chemical/Biological Crusts					X
Comments :	Both physical and biological crusts found on this site.					
B	Wildlife Habitat					X
Comments :	Due to climatic conditions					
B	Wildlife Populations				X	
Comments :	Quail populations are increasing.					
B	Special Status Species Habitat					X
Comments :	None known to occur.					
B	Special Status Species Populations					X
Comments :	Habitat is present, populations of special status are not here due to unknown factors.					
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to	Moderate	Slight to Moderate	None to

			Extreme		e	Slight
S	Soil	0	0	1	7	2
H	Hydrologic	0	0	1	9	1
B	Biotic	0	0	1	7	5

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	1	9
Hydrologic		0	1	10
Biotic		0	1	12

Site Notes: This location is found on a western facing slope. The deeper soils at the base of the hill have been invaded by mesquite and creosote. The site itself is about to be heavily influenced by Oil and Gas activity, due to the approval of a permit to drill, and access road which will bisect at least one of the transect lines. As this location will be very close to the new gate and entrance into the pasture, the study may be completely lost. I recommend that the study be re-located to another gyp upland area within the pasture, where it won't be influenced by vehicular traffic.

RFOs Upland and Biotic Standard Assessment Summary Worksheet						
SITE 65062-COMANCHE DRAW-D105						
Legal Land Desc	SWSW 14 0110S 0260E Meridian 23	Acreage		1465		
Ecosite	042CY007NM LOAMY SD-3	Photo Taken		Y		
Watershed	13060007010 GOPHER					
Observers	FRENCH, MILLER	Observation Date		09/24/2003		
County Soil Survey	NM666 CHAVES SOUTH	Soil Var/Taxad				
Soil Map Unit	RL	Soil Taxon Name		REEVES		
Texture Class	NM666 L	Soil Phase		REEVES- HOLLOMAN		
Texture Modifier	NM666 LOAM					
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation				
NOAA Annual Precipitation	9.63	NOAA Growing Season Precipitation		5.69		
NOAA Avg Annual Precipitation	12.79	NOAA Avg Growing Season Precipitation		10.67		
Disturbances and Animal Use:						
Part 2. Attributes and Indicators						
		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills			X		
Comments :	Exposed slopes & along cattle trails in the actual Comanche draw area.					
S H	Water Flow Patterns				X	
Comments :	Overland flow restricted toward the bottoms & slopes, not as apparent on less sloped areas.					
S H	Pedestals and/or Terracettes				X	

Comments :						
S H	Bare Ground			X		
Comments :	Approaching upper end of expected range.					
S H	Gullies					X
Comments :	None found at the actual study site, however, some are present near slopes.					
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments :						
H	Litter Movement					X
Comments :						
S H B	Soil Surface Resistance to Erosion				X	
Comments :						
S H B	Soil Surface Loss or Degradation				X	
Comments :						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff					X
Comments :						
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups					X
Comments :						
B	Plant Mortality/Decadence				X	
Comments :	drought plainly evident					
H B	Litter Amount				X	

Comments :						
B	Annual Production			X		
Comments :	low amount of production is limited by low amount of precipitation.					
B	Invasive Plants			X		
Comments :	Yucca, prickly pear and scattered salt cedar.					
B	Reproductive Capability of Perennial Plants				X	
Comments :	Some grazing use found, climate appears to be the major restriction.					
S	Physical/Chemical/Biological Crusts				X	
Comments :						
B	Wildlife Habitat				X	
Comments :	Limited by drought - affecting antelope mainly					
B	Wildlife Populations			X		
Comments :						
B	Special Status Species Habitat					X
Comments :						
B	Special Status Species Populations					X
Comments :	None present due to unknown factors.					
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight

S	Soil	0	0	2	5	3
H	Hydrologic	0	0	2	5	4
B	Biotic	0	0	3	6	4
<p>B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i>, and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.</p>						
Attribute	Rationale	Does Not Meet	May Need More Info	Meets		
Soil		0	2	8		
Hydrologic		0	2	9		
Biotic		0	3	10		
Site Notes:						

RFOs Upland and Biotic Standard Assessment Summary Worksheet						
SITE 65062-SORENSEN-D266						
Legal Land Desc	NENE 30 0110S 0270E Meridian 23		Acreage		320	
Ecosite	042CY007NM LOAMY SD-3		Photo Taken		Y	
Watershed	13060007010 GOPHER					
Observers	FRENCH, MILLER		Observation Date		09/24/2003	
County Soil Survey	NM666 CHAVES SOUTH		Soil Var/Taxad			
Soil Map Unit	TS		Soil Taxon Name		TENCEE	
Texture Class	NM666 FSL		Soil Phase		TENCEE- SOTIM	
Texture Modifier	NM666 GRAVELLY FINE SAND					
Observed Avg Annual Precipitation			Observed Avg Growing Season Precipitation			
NOAA Annual Precipitation	9.63		NOAA Growing Season Precipitation		5.69	
NOAA Avg Annual Precipitation	12.79		NOAA Avg Growing Season Precipitation		10.67	
Disturbances and Animal Use:						
Part 2. Attributes and Indicators						
		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills					X
Comments :						
S H	Water Flow Patterns				X	
Comments :						

S H	Pedestals and/or Terracettes					X
Comments :						
S H	Bare Ground			X		
Comments :						
S H	Gullies					X
Comments :	none present					
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments :						
H	Litter Movement					X
Comments :						
S H B	Soil Surface Resistance to Erosion					X
Comments :						
S H B	Soil Surface Loss or Degradation					X
Comments :						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff					X
Comments :						
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups					X
Comments :	All functional & structural groups are present, just not abundant.					
B	Plant Mortality/Decadence					X
Comments :	Plants appear to be dormant, have healthy root systems					

H B	Litter Amount					X
Comments :						
B	Annual Production			X		
Comments :						
B	Invasive Plants			X		
Comments :	Invasives here include yucca and yellowspine thistle.					
B	Reproductive Capability of Perennial Plants			X		
Comments :						
S	Physical/Chemical/Biological Crusts				X	
Comments :	on slight side.					
B	Wildlife Habitat				X	
Comments :						
B	Wildlife Populations			X		
Comments :	Antelope					
B	Special Status Species Habitat					X
Comments :						
B	Special Status Species Populations					X
Comments :						
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to	Moderate	Slight to Moderate	None to

			Extreme		e	Slight
S	Soil	0	0	1	2	7
H	Hydrologic	0	0	1	1	9
B	Biotic	0	0	4	1	8
<p>B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i>, and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.</p>						
Attribute	Rationale		Does Not Meet		May Need More Info	Meets
Soil			0		1	9
Hydrologic			0		1	10
Biotic			0		4	9
Site Notes:						

RFOs Upland and Biotic Standard Assessment Summary Worksheet						
SITE 65062-SPRING-D104						
Legal Land Desc	SESW 13 0110S 0260E Meridian 23		Acreage		858	
Ecosite	042CY007NM LOAMY SD-3		Photo Taken		Y	
Watershed	13060007010 GOPHER					
Observers	FRENCH, MILLER		Observation Date		09/24/2003	
County Soil Survey	NM666 CHAVES SOUTH		Soil Var/Taxad			
Soil Map Unit	Ru		Soil Taxon Name		RUSSLER	
Texture Class	NM666 SCL		Soil Phase		RUSSLER	
Texture Modifier	NM666 SILTY CLAY LOAM					
Observed Avg Annual Precipitation			Observed Avg Growing Season Precipitation			
NOAA Annual Precipitation	9.63		NOAA Growing Season Precipitation		5.69	
NOAA Avg Annual Precipitation	12.79		NOAA Avg Growing Season Precipitation		10.67	
Disturbances and Animal Use:						
Part 2. Attributes and Indicators						
		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills					X
Comments :						
S H	Water Flow Patterns				X	
Comments :						
S H	Pedestals and/or Terracettes					X
Comments	MOving toward slight.					

:						
S H	Bare Ground				X	
Comments :						
S H	Gullies					X
Comments :						
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments :						
H	Litter Movement					X
Comments :						
S H B	Soil Surface Resistance to Erosion				X	
Comments :	Cover by vegetation could be better					
S H B	Soil Surface Loss or Degradation				X	
Comments :						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments :						
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups					X
Comments :						
B	Plant Mortality/Decadence				X	
Comments :						
H B	Litter Amount				X	
Comments						

:						
B	Annual Production			X		
Comments :	Low annual production due to low amount of precipitation					
B	Invasive Plants			X		
Comments :	Invasives here include prickly pear, yucca and a few scattered salt cedar.					
B	Reproductive Capability of Perennial Plants			X		
Comments :	limited by lack of development of seed head, because of drought.					
S	Physical/Chemical/Biological Crusts					X
Comments :						
B	Wildlife Habitat				X	
Comments :	Few forbs found, due to drought.					
B	Wildlife Populations			X		
Comments :	Antelope					
B	Special Status Species Habitat				X	
Comments :						
B	Special Status Species Populations					X
Comments :						
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	4	6

H	Hydrologic	0	0	0	6	5
B	Biotic	0	0	4	6	3
<p>B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i>, and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.</p>						
Attribute	Rationale	Does Not Meet	May Need More Info	Meets		
Soil		0	0	10		
Hydrologic		0	0	11		
Biotic		0	4	9		
Site Notes: Dry, dry, dry.						

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 65062-WEST-D103

Legal Land Desc	SWNW 26 0110S 0260E Meridian 23	Acreage	465
Ecosite	042CY007NM LOAMY SD-3	Photo Taken	Y
Watershed	13060007010 GOPHER		
Observers	FRENCH, MILLER	Observation Date	09/24/2003
County Soil Survey	NM666 CHAVES SOUTH	Soil Var/Taxad	
Soil Map Unit	RL	Soil Taxon Name	REEVES
Texture Class	NM666 L	Soil Phase	REEVES- HOLLOMAN
Texture Modifier	NM666 LOAM		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation	9.63	NOAA Growing Season Precipitation	5.69
NOAA Avg Annual Precipitation	12.79	NOAA Avg Growing Season Precipitation	10.67
Disturbances and Animal Use:	This site may have had some historical prairie dog use.		

Part 2. Attributes and Indicators

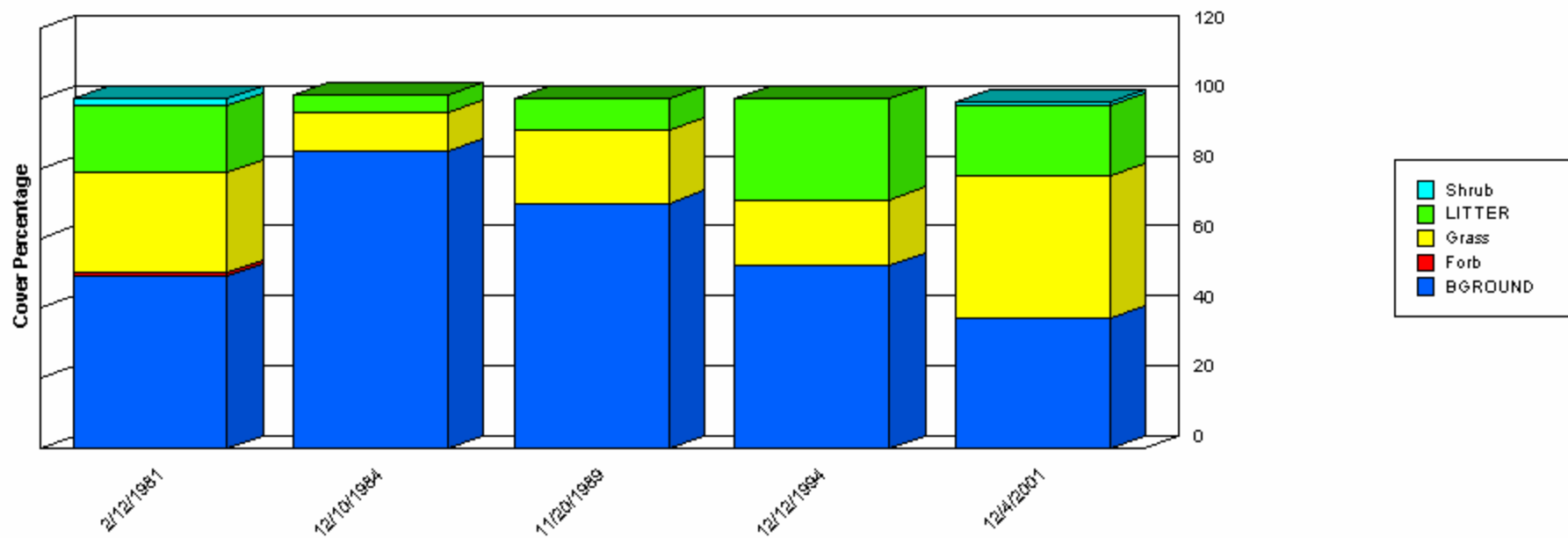
		Departure from Ecological Site Description/Ecological Reference Areas				
Attribute	Indicators	Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills					X
Comments :						
S H	Water Flow Patterns				X	
Comments :						
S H	Pedestals and/or Terracettes					X

Comments :						
S H	Bare Ground			X		
Comments :						
S H	Gullies					X
Comments :						
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments :						
H	Litter Movement					X
Comments :						
S H B	Soil Surface Resistance to Erosion				X	
Comments :						
S H B	Soil Surface Loss or Degradation				X	
Comments :						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments :	Minor changes in distribution.					
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups				X	
Comments :						
B	Plant Mortality/Decadence				X	
Comments :						
H B	Litter Amount			X		

Comments :	limited litter due to low production.					
B	Annual Production			X		
Comments :	Limited production due to limited precipitation.					
B	Invasive Plants			X		
Comments :	Invasive plants include prickly pear, snakeweed & thistle, The SE corner of the pasture has a sizable population of mesquite.					
B	Reproductive Capability of Perennial Plants				X	
Comments :	Low precipitation = low reproduction.					
S	Physical/Chemical/Biological Crusts				X	
Comments :	No biological crusts, soil capping is slightly broken over the area.					
B	Wildlife Habitat				X	
Comments :	Habitat present for antelope, shrub increase has increased quail habitat.					
B	Wildlife Populations				X	
Comments :	Antelope and 2 coveys of quail noted.					
B	Special Status Species Habitat					X
Comments :						
B	Special Status Species Populations					X
Comments :						
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight

S	Soil	0	0	1	4	5
H	Hydrologic	0	0	2	4	5
B	Biotic	0	0	3	7	3
<p>B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i>, and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.</p>						
Attribute	Rationale	Does Not Meet	May Need More Info	Meets		
Soil		0	1	9		
Hydrologic		0	2	9		
Biotic		0	3	10		
<p>Site Notes: This site has an invasion of mesquite. The mesquite could be mapped and reviewed for threshold for treatment. This site also has inclusions of gyp uplands, which could influence run off and plant composition.</p>						

Ground Cover Trends



	2/12/1981	12/10/1984	11/20/1989	12/12/1994	12/4/2001
BGROUND	49.00	85.00	70.00	52.00	37.00
Forb	1.00	0.00	0.00	0.00	0.00
Grass	29.00	11.00	21.00	19.00	41.00
LITTER	19.00	5.00	9.00	29.00	20.00
Shrub	2.00	0.00	0.00	0.00	1.00
Total	100.00	101.00	100.00	100.00	99.00

Report Parameters

SITE NAME LIKE	65062-#10E-D109
ON/AFTER	10/01/1980
ON/BEFORE	09/30/2002

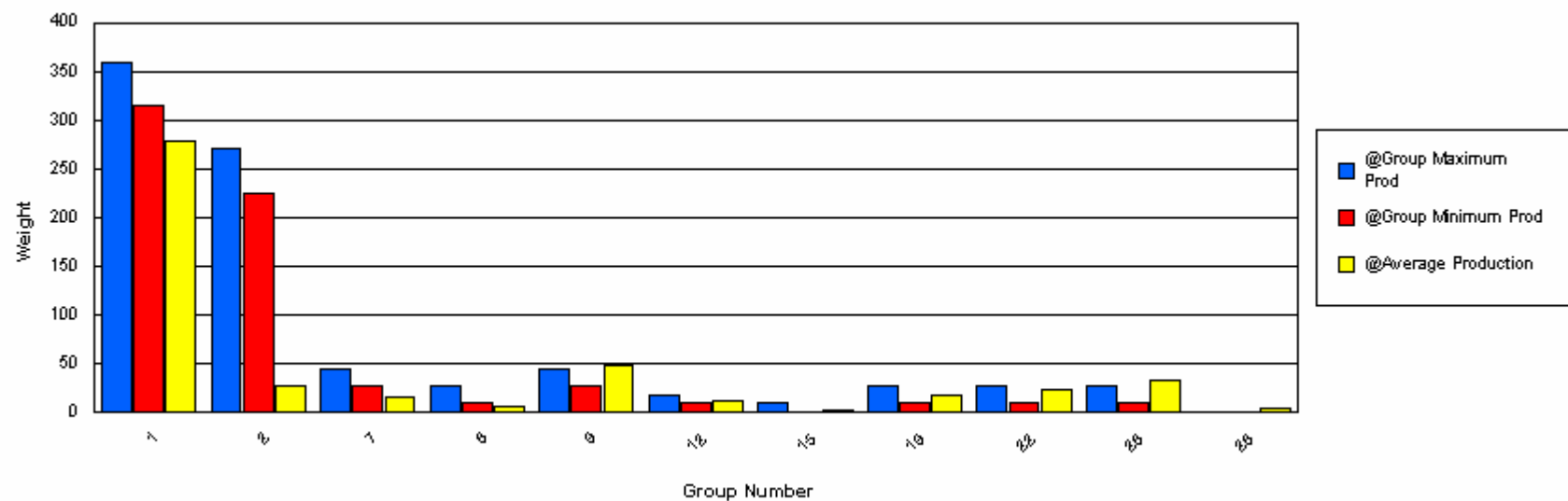
Functional / Structural Groups

Report Parameters

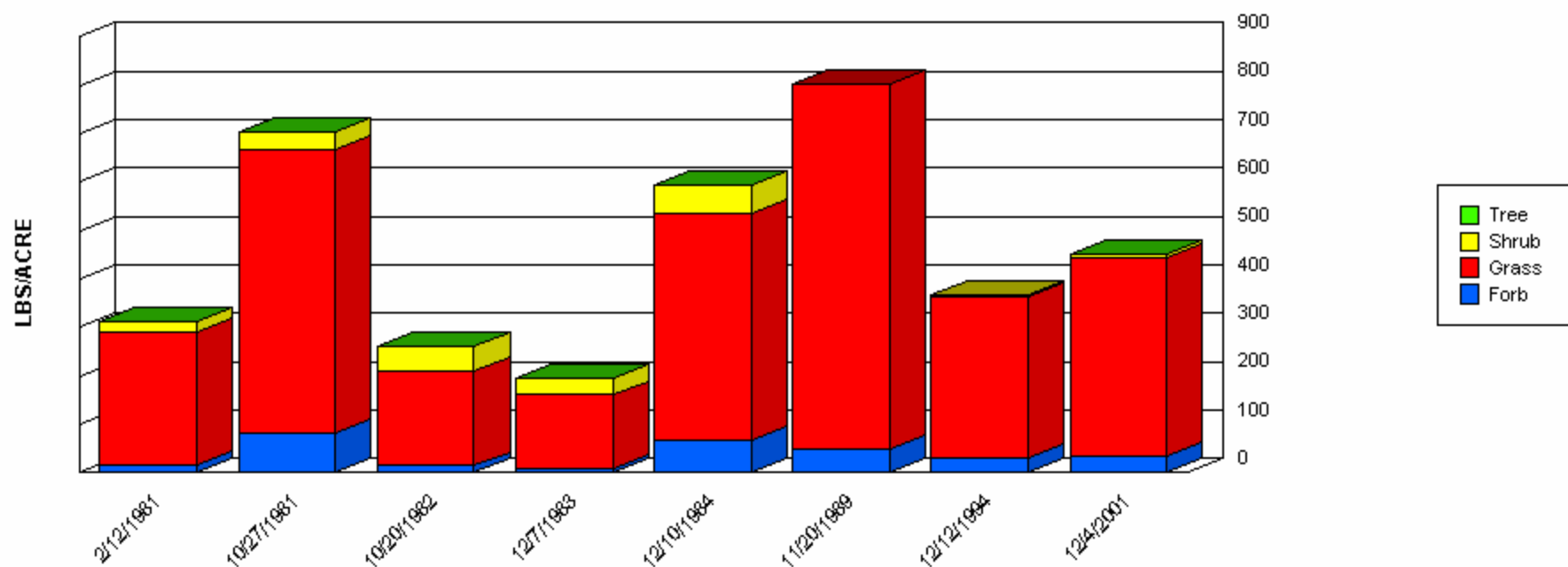
SITE NAME LIKE 65062-#10E-D109
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY007NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	HIMU2	315	360	63.96	640.00	193.08	176.28
1	Grass	SCBR2	315	360	17.00	221.76	86.15	66.30
2	Grass	BOER4	225	270	1.70	32.34	13.61	9.90
2	Grass	BOGR2	225	270	0.00	37.55	12.41	13.49
7	Grass	ARIST	27	45	0.00	46.00	11.17	15.68
7	Grass	SPCR	27	45	2.00	6.07	4.03	2.03
8	Grass	PAOB	9	27	0.00	22.00	6.28	9.29
9	Grass	MUAR	27	45	0.00	46.40	18.33	15.55
9	Grass	MUAR2	27	45	0.00	83.16	30.65	32.52
12	Grass	PAHA	9	18	0.00	48.36	12.28	19.27
15	Grass	TRPI2	0	9	0.00	6.09	1.01	2.27
17	Grass	TRIDE	9	27	0.00	2.68	0.67	1.16
18	Forb	SPHAE	9	27	0.00	2.03	0.41	0.81
19	Forb	CROTO	9	27	0.00	22.00	8.54	6.82
19	Forb	LESQU	9	27	0.00	15.12	5.02	6.36
19	Forb	PENA	9	27	0.00	9.00	4.29	2.91
22	Forb	AAFF	9	27	3.76	34.00	13.55	11.44
22	Forb	CIRSI	9	27	0.00	0.86	0.29	0.41
22	Forb	PECTI	9	27	0.00	12.40	2.07	4.62
22	Forb	XADR	9	27	0.00	29.48	7.37	12.77
23	Forb	CAHA	9	27	0.00	0.76	0.15	0.30
24	Forb	PPFF	9	27	0.00	0.67	0.13	0.27
26	Shrub	GUSA2	9	27	0.00	59.76	31.05	19.83
26	Shrub	OPUNT	9	27	0.00	4.40	2.10	2.10
26	Tree	YUEL	9	27	0.00	0.67	0.11	0.25
28	Shrub	PRGL2	0	0	0.00	11.40	3.35	4.53

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
-------	------------	---------	----------------	-----------------	---------	---------	---------	-------



Production Lbs/Acre Trends

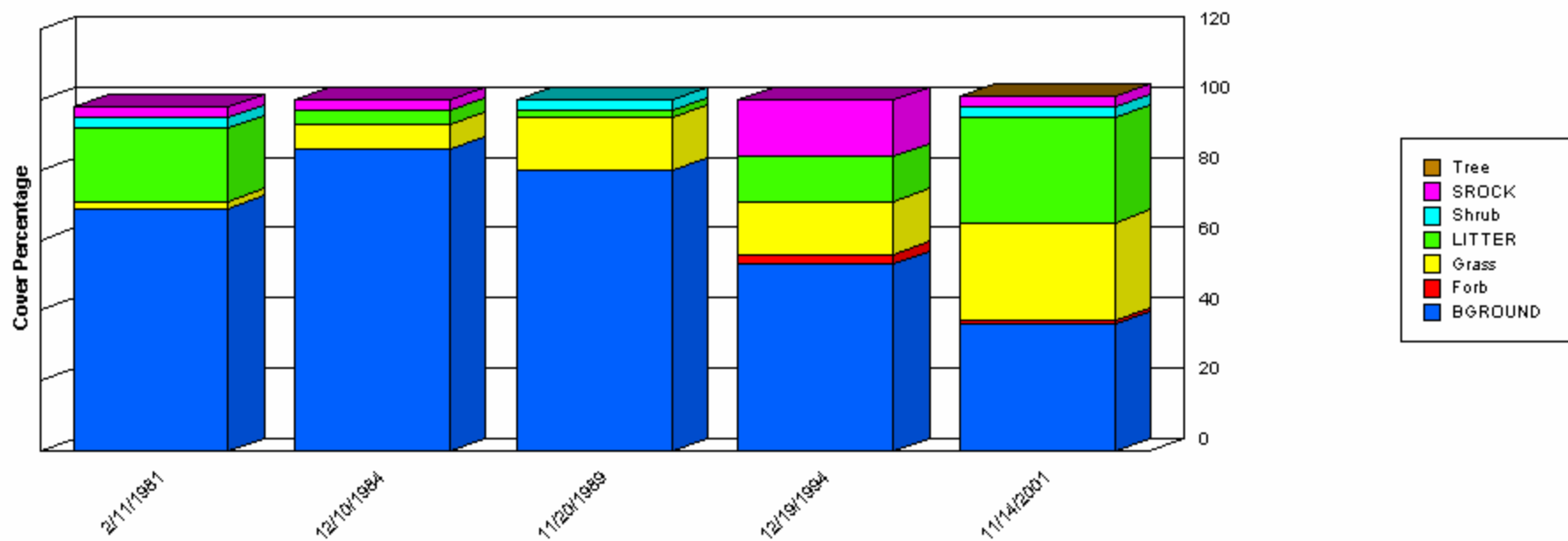


	2/12/1981	10/27/1981	10/20/1982	12/7/1983	12/10/1984	11/20/1989	12/12/1994	12/4/2001
Forb	15.33	81.20	14.22	8.72	65.87	48.00	32.00	35.73
Grass	274.15	584.30	195.70	151.76	468.09	755.00	331.00	409.64
Shrub	21.76	37.82	51.92	36.20	59.76	0.00	4.00	7.33
Tree	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00
Total	311.24	703.32	261.84	196.68	594.38	803.00	367.00	452.70

Report Parameters

SITE NAME LIKE 65062-#10E-D109
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

Ground Cover Trends



	2/11/1981	12/10/1984	11/20/1989	12/19/1994	11/14/2001
BGROUND	69.00	86.00	80.00	53.00	36.00
Forb	0.00	0.00	0.00	3.00	1.00
Grass	2.00	7.00	15.00	15.00	28.00
LITTER	21.00	4.00	2.00	13.00	30.00
Shrub	3.00	0.00	3.00	0.00	3.00
SROCK	3.00	3.00	0.00	16.00	3.00
Tree	0.00	0.00	0.00	0.00	0.00

	2/11/1981	12/10/1984	11/20/1989	12/19/1994	11/14/2001
Total	98.00	100.00	100.00	100.00	101.00

Report Parameters

SITE NAME LIKE 65062-#10W-D110
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

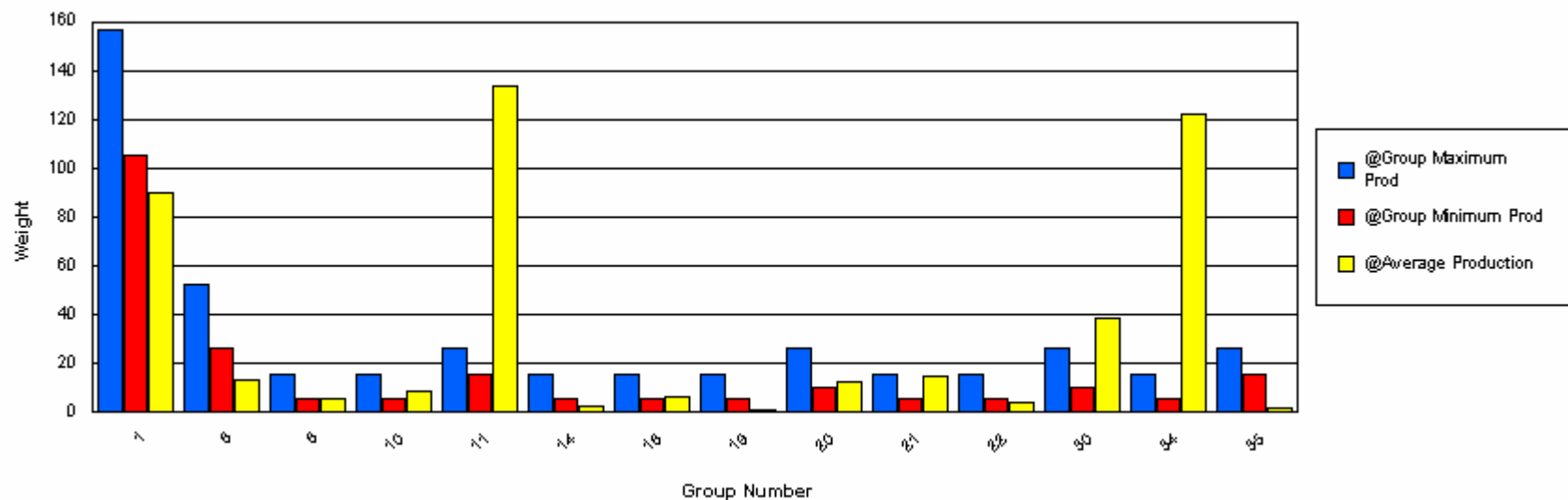
Functional / Structural Groups

Report Parameters

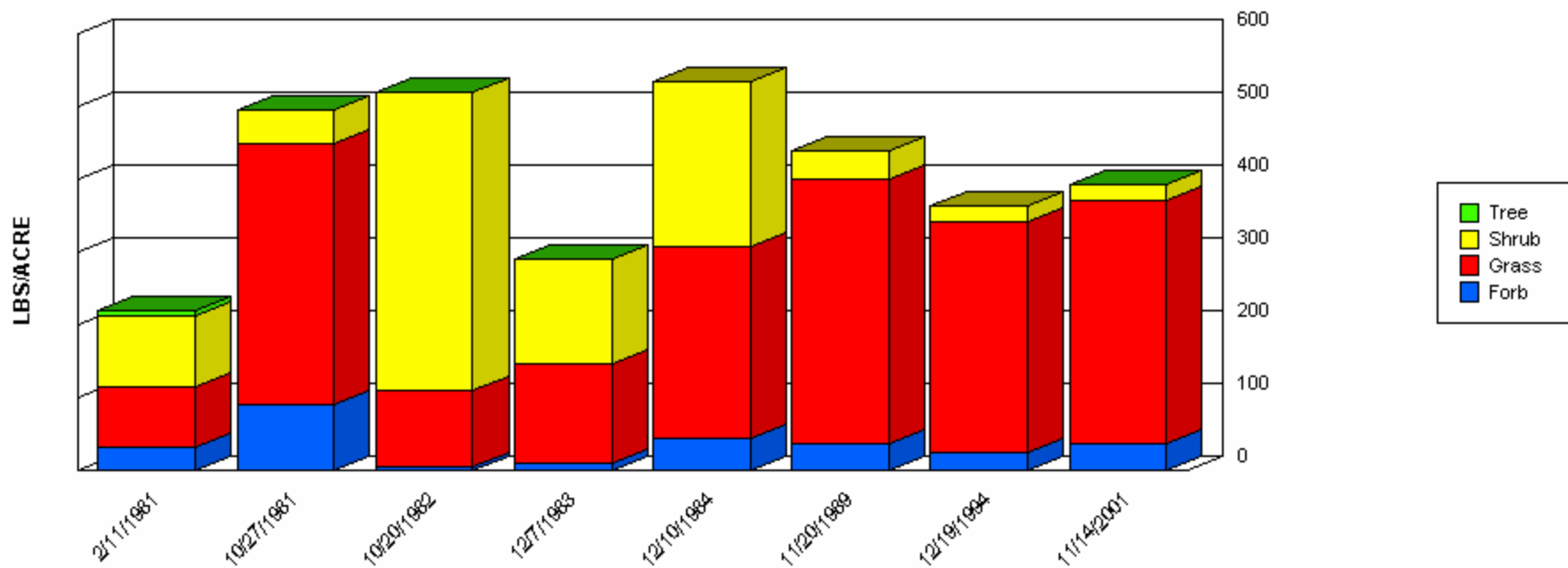
SITE NAME LIKE 65062-#10W-D110
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY025NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	BOER4	105	157	10.44	241.00	89.94	77.72
6	Grass	SPCR	26	52	0.00	32.00	12.86	11.81
8	Grass	MUAR	5	15	0.00	20.02	5.28	6.66
10	Grass	ERPU8	5	15	0.00	24.60	8.12	7.79
11	Grass	ARIST	15	26	0.00	71.00	36.25	25.68
11	Grass	HIMU2	15	26	0.00	224.68	46.22	79.06
11	Grass	MUAR2	15	26	0.00	55.80	22.24	21.06
11	Grass	SCBR2	15	26	3.33	127.82	29.09	44.51
12	Grass	AAGG	0	5	0.00	0.67	0.13	0.27
14	Grass	PAHA	5	15	0.00	3.10	0.75	1.17
14	Grass	PARA2	5	15	0.00	2.67	0.53	1.07
14	Grass	SPAS	5	15	0.00	6.00	1.20	2.40
15	Forb	HYAC	10	26	0.00	1.52	0.30	0.61
17	Forb	SPHAE	5	15	0.00	0.76	0.15	0.30
18	Forb	LESQU	5	15	0.00	31.08	6.01	11.25
19	Forb	CASSI	5	15	0.00	4.10	1.03	1.78
20	Forb	CROTO	10	26	0.00	24.00	12.52	8.79
21	Forb	AAFF	5	15	1.27	42.64	12.14	13.04
21	Forb	AMGR	5	15	0.00	2.00	0.40	0.80
21	Forb	XADR	5	15	0.00	9.38	2.35	4.06
22	Forb	CHAMA8	5	15	0.00	1.33	0.27	0.53
22	Forb	DYPE2	5	15	0.00	2.00	0.40	0.80
22	Forb	ERTE13	5	15	0.00	0.94	0.47	0.47
22	Forb	HOGL2	5	15	0.00	1.00	0.33	0.47
22	Forb	LEER	5	15	0.00	0.67	0.25	0.31
22	Forb	PENA	5	15	0.00	3.72	1.70	1.15

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
22	Forb	SOEL	5	15	0.00	0.60	0.20	0.28
30	Shrub	PRGL2	10	26	3.00	91.20	38.73	37.90
32	Shrub	OPUNT	5	15	0.00	1.00	0.24	0.39
34	Shrub	GUSA2	5	15	9.00	409.20	122.33	134.73
35	Tree	YUEL	15	26	0.00	7.67	1.53	3.07
36	Shrub	DAFO	5	15	0.00	2.63	0.44	0.98



Production Lbs/Acre Trends

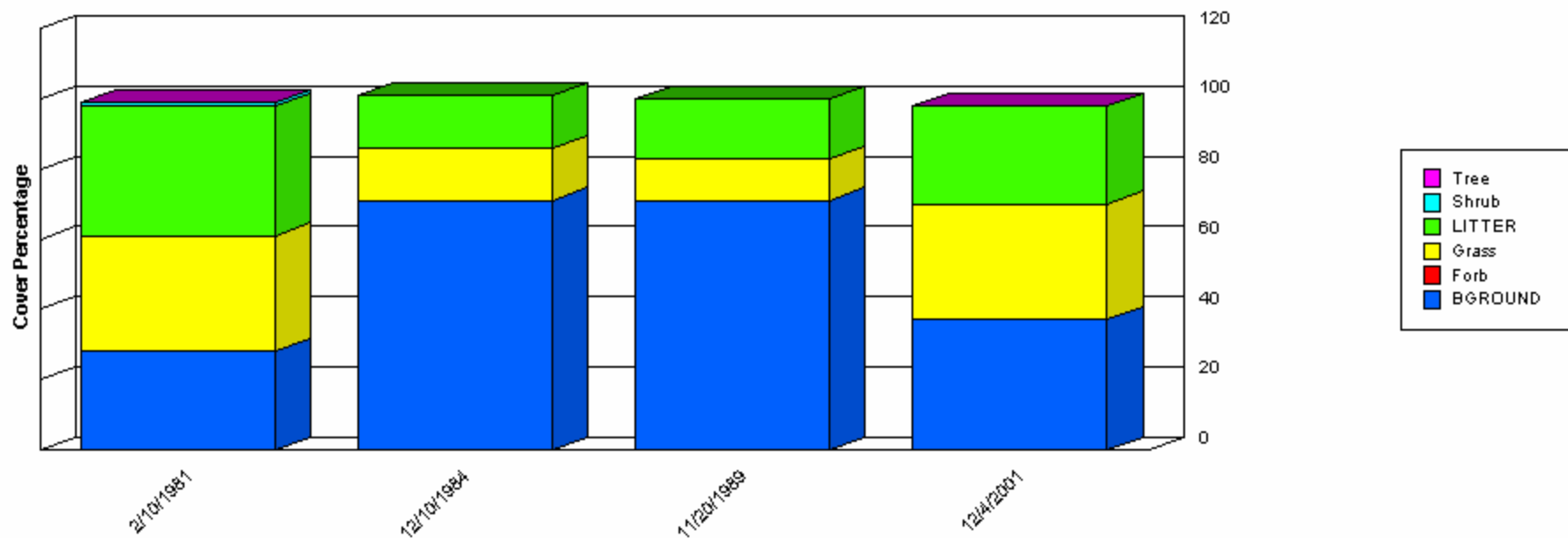


	2/11/1981	10/27/1981	10/20/1982	12/7/1983	12/10/1984	11/20/1989	12/19/1994	11/14/2001
Forb	31.85	91.50	5.82	11.24	45.43	37.00	26.00	38.11
Grass	83.21	357.90	105.84	135.96	262.69	363.00	316.00	332.60
Shrub	98.81	46.36	409.20	143.28	225.74	39.00	22.00	22.41
Tree	7.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	221.54	495.76	520.86	290.48	533.87	439.00	364.00	393.11

Report Parameters

SITE NAME LIKE 65062-#10W-D110
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

Ground Cover Trends



	2/10/1981	12/10/1984	11/20/1989	12/4/2001
BGROUND	28.00	71.00	71.00	37.00
Forb	0.00	0.00	0.00	0.00
Grass	33.00	15.00	12.00	33.00
LITTER	37.00	15.00	17.00	28.00
Shrub	1.00	0.00	0.00	0.00
Tree	0.00	0.00	0.00	0.00
Total	99.00	101.00	100.00	98.00

Report Parameters

SITE NAME LIKE	65062-#3N-D106
ON/AFTER	10/01/1980
ON/BEFORE	09/30/2002

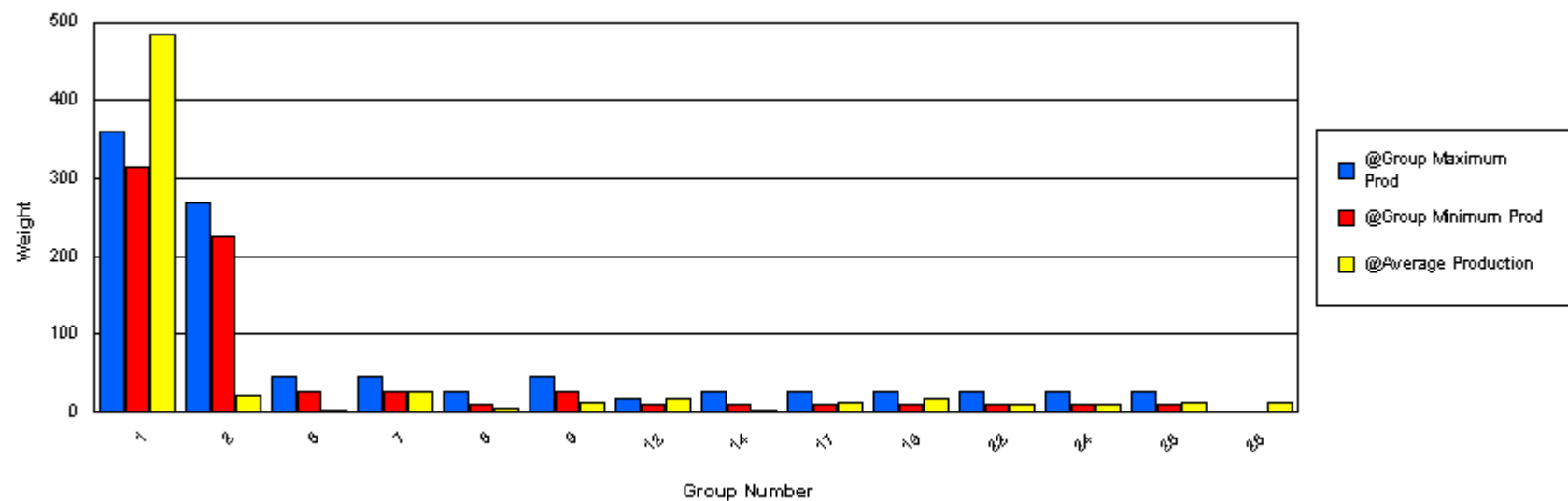
Functional / Structural Groups

Report Parameters

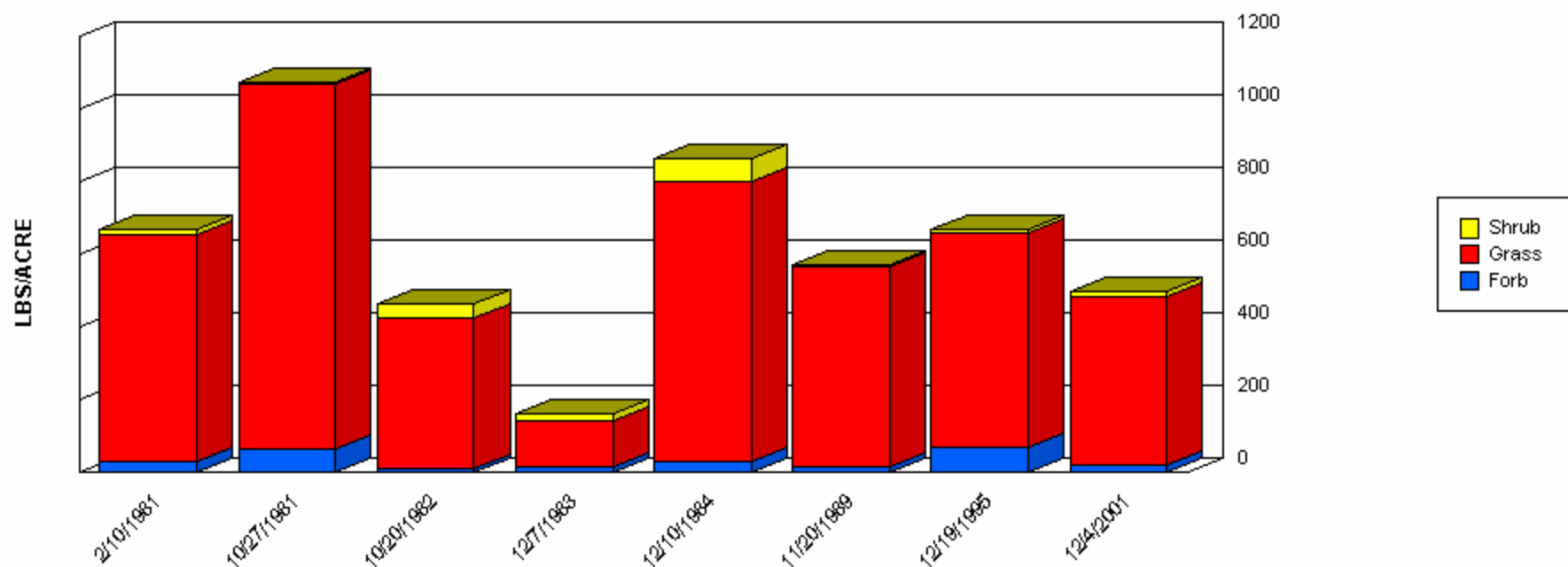
SITE NAME LIKE 65062-#3N-D106
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY007NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	HIMU2	315	360	79.56	708.80	432.82	184.66
1	Grass	SCBR2	315	360	9.33	132.44	51.72	38.61
2	Grass	BOER4	225	270	0.00	17.97	4.73	6.44
2	Grass	BOGR2	225	270	0.00	87.00	17.56	28.77
6	Grass	SPAI	27	45	0.00	15.17	2.53	5.65
7	Grass	ARIST	27	45	0.00	82.00	22.95	28.58
7	Grass	SPCR	27	45	0.00	13.00	2.46	4.43
8	Grass	PAOB	9	27	0.00	16.00	4.21	5.67
9	Grass	MUAR	27	45	0.00	33.07	9.40	9.43
9	Grass	MUAR2	27	45	0.00	11.00	3.52	3.87
12	Grass	PAHA	9	18	0.00	56.16	17.13	23.58
14	Grass	TRMU	9	27	0.00	6.50	1.63	2.81
15	Grass	TRPI2	0	9	0.00	4.43	0.74	1.65
17	Grass	BUDA	9	27	0.00	51.52	12.88	22.31
17	Grass	ERPU8	9	27	0.00	0.67	0.13	0.27
19	Forb	CROTO	9	27	0.00	22.00	5.01	6.91
19	Forb	LESQU	9	27	0.00	5.88	1.88	2.40
19	Forb	PENA	9	27	3.48	26.00	10.98	7.58
21	Forb	ERTE13	9	27	0.00	1.88	0.68	0.77
22	Forb	AAFF	9	27	0.38	21.60	8.37	6.45
22	Forb	PECTI	9	27	0.00	6.96	1.74	3.01
24	Forb	CIOC	9	27	0.00	15.58	3.90	6.75
24	Forb	PPFF	9	27	0.00	8.00	2.67	3.77
24	Forb	SOEL	9	27	0.00	6.00	2.10	2.46
26	Shrub	GUSA2	9	27	0.00	61.42	12.43	20.85
28	Shrub	PRGL2	0	0	0.00	35.64	12.07	13.03

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
-------	------------	---------	----------------	-----------------	---------	---------	---------	-------



Production Lbs/Acre Trends

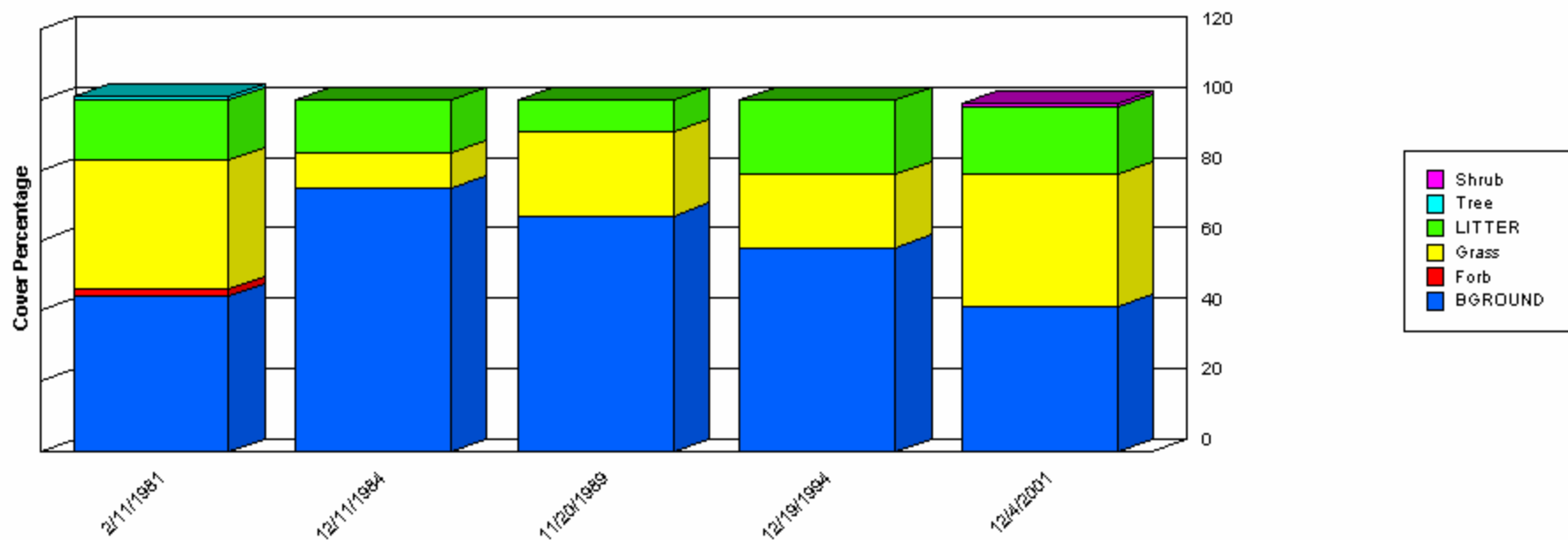


	2/10/1981	10/27/1981	10/20/1982	12/7/1983	12/10/1984	11/20/1989	12/19/1995	12/4/2001
Forb	30.89	64.74	13.30	15.60	33.07	16.00	71.00	21.67
Grass	623.59	1,006.98	414.74	129.80	769.91	551.00	591.00	464.46
Shrub	13.33	1.22	35.64	17.36	61.42	4.00	7.00	13.48
Total	667.81	1,072.94	463.68	162.76	864.40	571.00	669.00	499.61

Report Parameters

SITE NAME LIKE 65062-#3N-D106
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

Ground Cover Trends



	2/11/1981	12/11/1984	11/20/1989	12/19/1994	12/4/2001
BGROUND	44.00	75.00	67.00	58.00	41.00
Forb	2.00	0.00	0.00	0.00	0.00
Grass	37.00	10.00	24.00	21.00	38.00
LITTER	17.00	15.00	9.00	21.00	19.00
Shrub	0.00	0.00	0.00	0.00	1.00
Tree	1.00	0.00	0.00	0.00	0.00
Total	101.00	100.00	100.00	100.00	99.00

Report Parameters

SITE NAME LIKE	65062-#3S-D107
ON/AFTER	10/01/1980
ON/BEFORE	09/30/2002

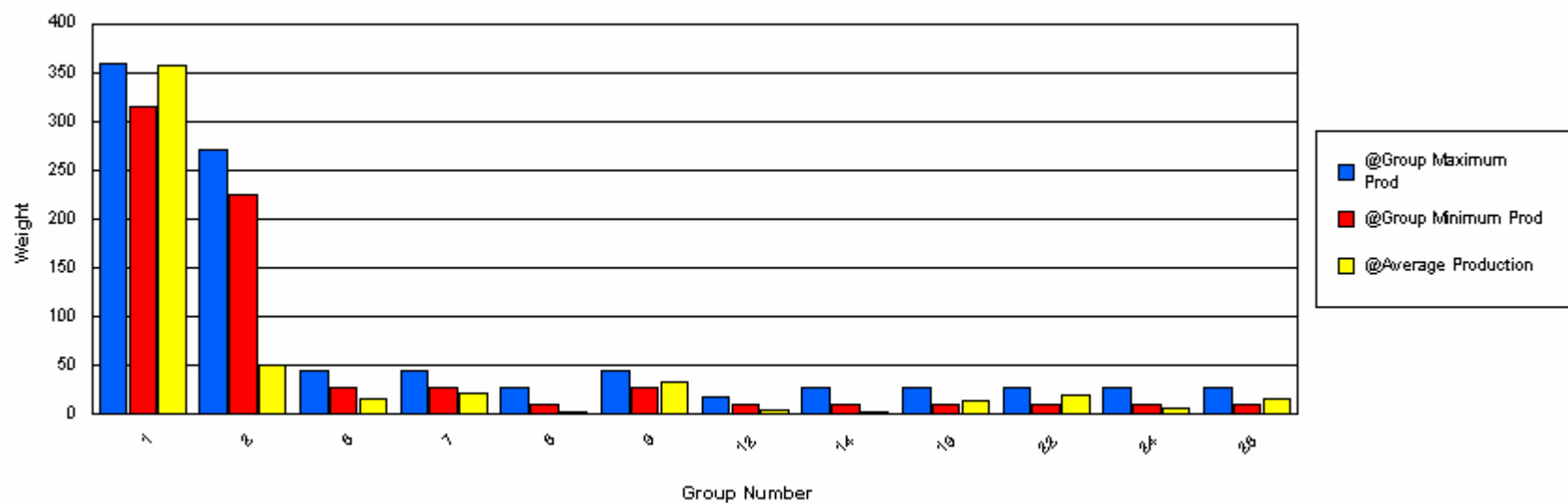
Functional / Structural Groups

Report Parameters

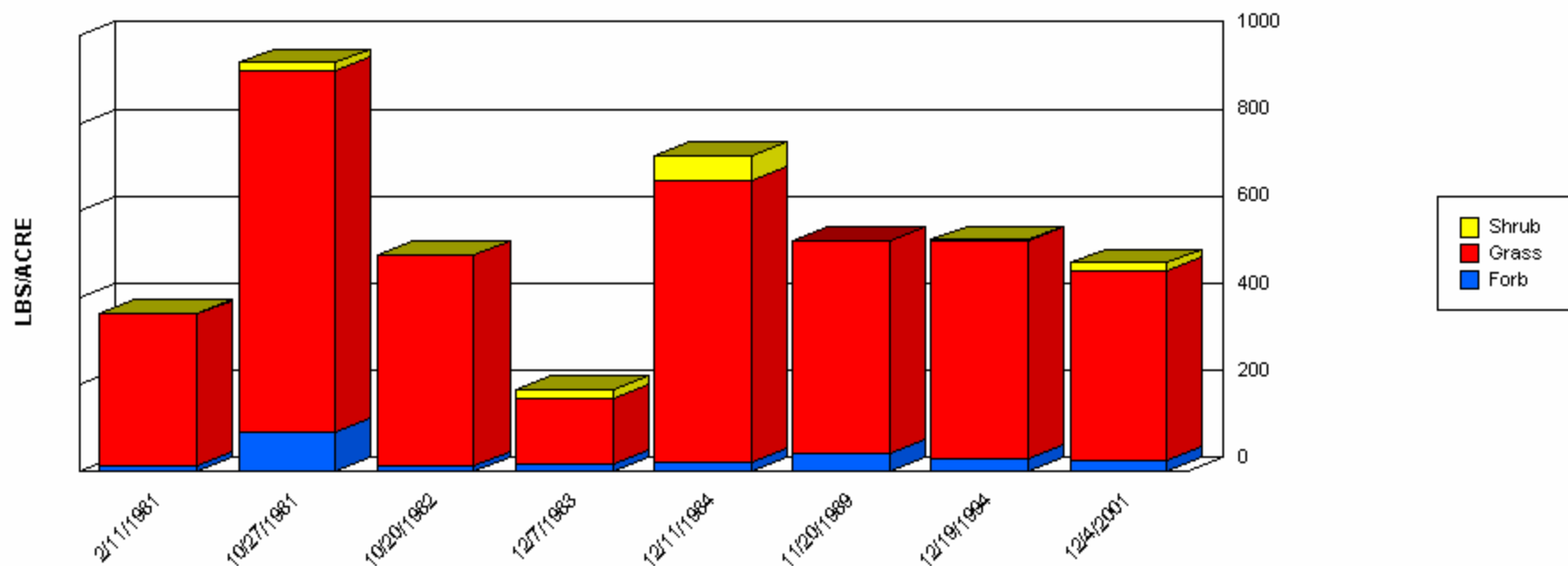
SITE NAME LIKE 65062-#3S-D107
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY007NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	HIMU2	315	360	81.12	587.20	322.65	140.30
1	Grass	SCBR2	315	360	10.92	70.27	35.27	21.23
2	Grass	BOER4	225	270	0.00	102.00	39.60	33.09
2	Grass	BOGR2	225	270	0.00	26.99	9.95	8.32
6	Grass	SPAI	27	45	0.00	61.27	14.70	21.91
7	Grass	ARIST	27	45	0.00	51.00	12.45	15.95
7	Grass	SPCR	27	45	0.00	24.32	7.76	8.16
8	Grass	PAOB	9	27	0.00	6.82	1.14	2.54
9	Grass	MUAR	27	45	0.00	39.00	15.10	14.47
9	Grass	MUAR2	27	45	0.00	50.82	16.64	16.68
11	Grass	ENDE	9	27	0.00	1.82	0.91	0.91
12	Grass	PAHA	9	18	0.00	9.94	3.12	3.82
14	Grass	TRMU	9	27	0.00	10.72	2.68	4.64
15	Grass	TRPI2	0	9	0.00	1.11	0.18	0.41
16	Grass	AAGG	9	27	0.00	0.63	0.11	0.24
17	Grass	ERPU8	9	27	0.00	2.00	0.44	0.74
18	Forb	SPHAE	9	27	0.00	1.01	0.20	0.41
19	Forb	CROTO	9	27	1.80	25.00	8.73	6.84
19	Forb	LESQU	9	27	0.00	9.24	2.05	3.62
19	Forb	PENA	9	27	1.56	5.00	3.07	1.18
21	Forb	CASSI	9	27	0.00	2.46	0.62	1.07
22	Forb	AFF	9	27	1.27	45.10	12.71	13.14
22	Forb	PECTI	9	27	0.00	2.80	0.47	1.04
22	Forb	PORTU	9	27	0.00	3.28	0.82	1.42
22	Forb	XADR	9	27	0.00	21.44	5.36	9.28
24	Forb	COCA2	9	27	0.00	6.20	3.10	3.10

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
24	Forb	EUPHO	9	27	0.00	3.72	1.86	1.86
24	Forb	PPFF	9	27	0.00	5.33	1.07	2.13
24	Forb	SOEL	9	27	0.00	0.60	0.20	0.28
25	Shrub	EPHED	9	27	0.00	1.68	0.46	0.67
26	Shrub	GUSA2	9	27	0.00	55.89	15.26	19.85



Production Lbs/Acre Trends

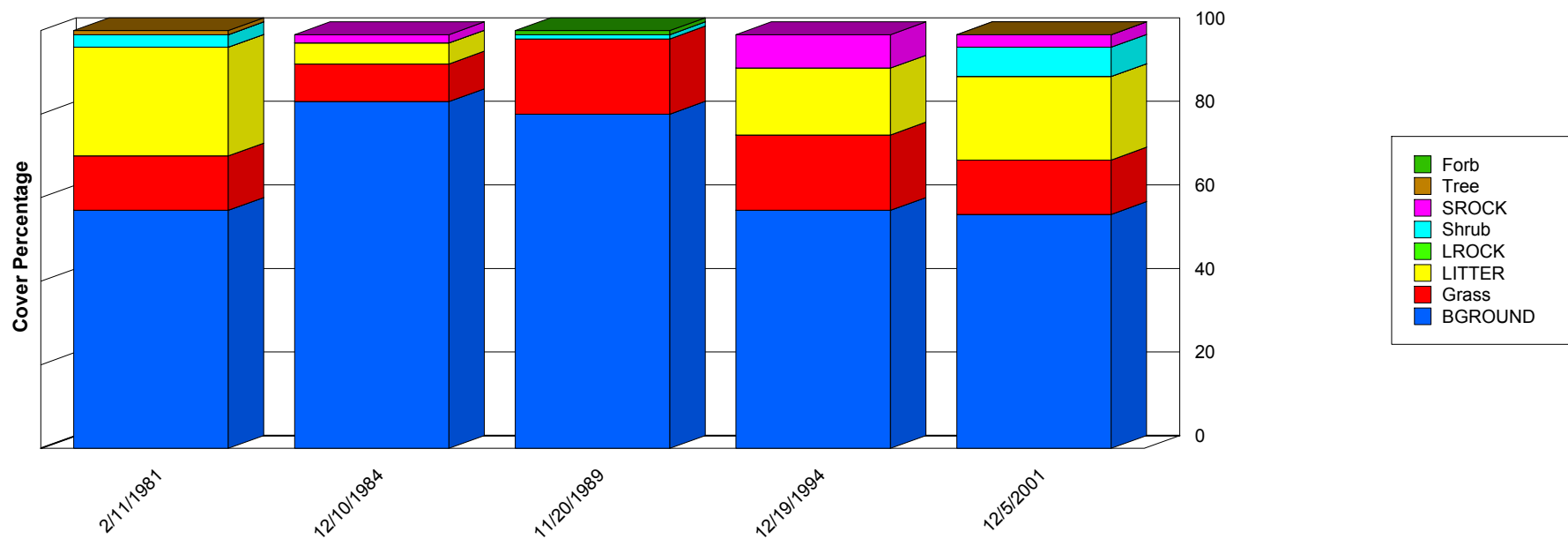


	2/11/1981	10/27/1981	10/20/1982	12/7/1983	12/11/1984	11/20/1989	12/19/1994	12/4/2001
Forb	12.75	91.94	13.38	18.38	23.60	43.00	31.00	24.13
Grass	348.61	829.38	483.92	151.06	645.23	486.00	499.00	438.19
Shrub	1.68	17.08	0.00	18.60	56.94	0.00	2.00	16.83
Total	363.04	938.40	497.30	188.04	725.77	529.00	532.00	479.15

Report Parameters

SITE NAME LIKE 65062-#3S-D107
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

Ground Cover Trends



	2/11/1981	12/10/1984	11/20/1989	12/19/1994	12/5/2001
BGROUND	57.00	83.00	80.00	57.00	56.00
Forb	0.00	0.00	1.00	0.00	0.00
Grass	13.00	9.00	18.00	18.00	13.00
LITTER	26.00	5.00	0.00	16.00	20.00
LROCK	0.00	0.00	0.00	0.00	0.00
Shrub	3.00	0.00	1.00	0.00	7.00
SROCK	0.00	2.00	0.00	8.00	3.00

	2/11/1981	12/10/1984	11/20/1989	12/19/1994	12/5/2001
Tree	1.00	0.00	0.00	0.00	0.00
Total	100.00	99.00	100.00	99.00	99.00

Report Parameters

SITE NAME LIKE 65062-#9-D108
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

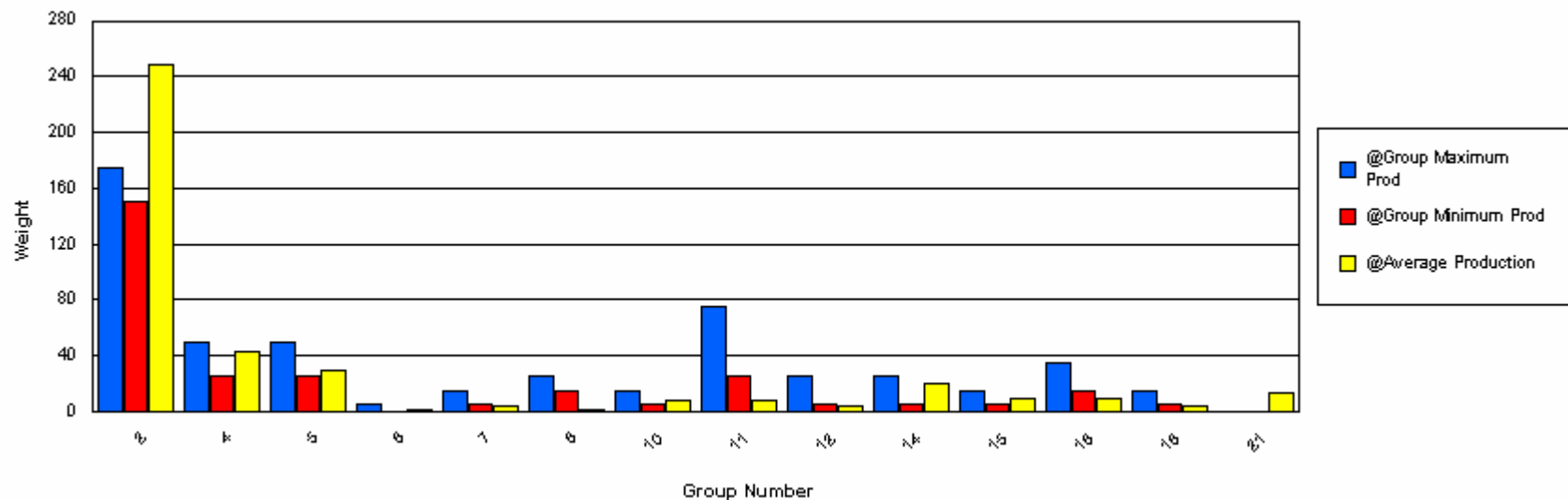
Functional / Structural Groups

Report Parameters

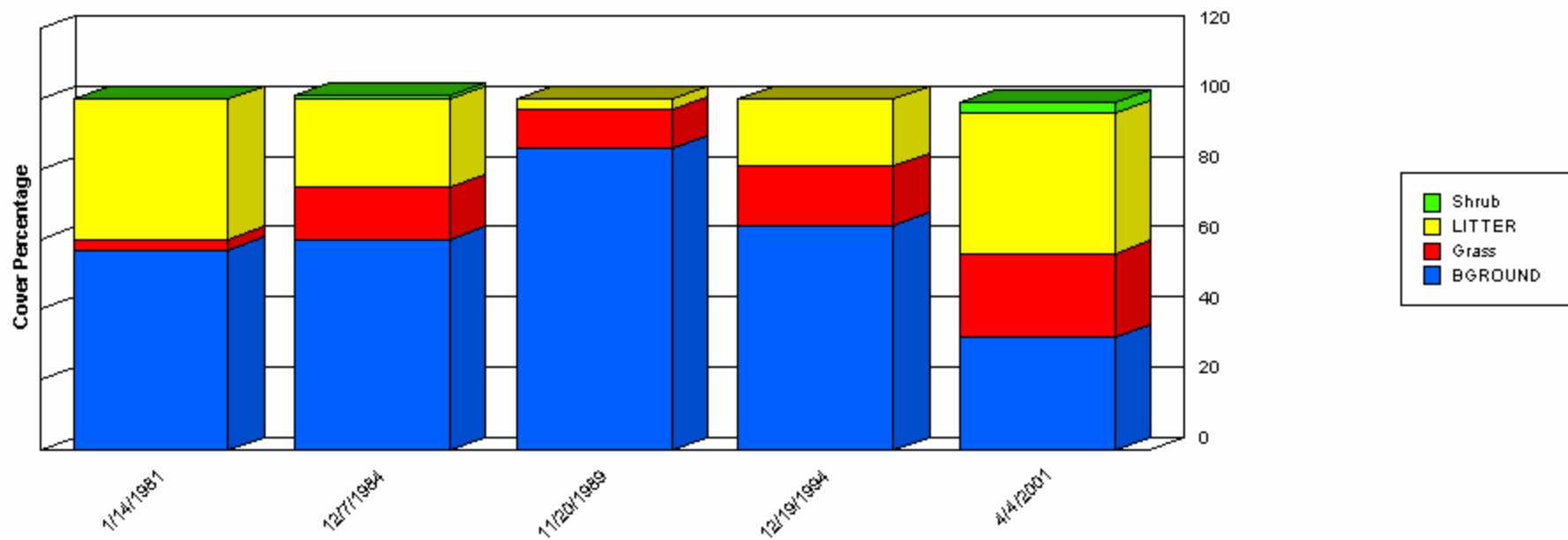
SITE NAME LIKE 65062-#9-D108
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY006NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
2	Grass	BOBR	150	175	99.40	371.18	201.51	92.34
2	Grass	BOER4	150	175	15.66	113.76	47.53	28.27
4	Grass	SPCR	25	50	0.00	6.13	1.54	2.17
4	Grass	SPNE	25	50	9.60	89.60	41.65	25.63
5	Grass	ARIST	25	50	0.00	9.00	2.32	3.07
5	Grass	ERPU8	25	50	0.00	49.20	12.42	15.89
5	Grass	MUAR	25	50	0.00	0.61	0.12	0.24
5	Grass	SCBR2	25	50	4.75	23.40	14.07	9.33
6	Grass	AAGG	0	5	0.00	4.74	1.34	1.79
7	Grass	ENDE	5	15	0.00	12.00	3.62	4.62
8	Grass	HIMU2	15	25	0.00	3.12	1.56	1.56
10	Grass	MUAR2	5	15	0.00	13.68	6.02	4.74
10	Grass	PAHA	5	15	0.00	3.28	0.65	1.20
10	Grass	SPAS	5	15	0.00	0.67	0.13	0.27
10	Grass	TRPI2	5	15	0.00	2.00	1.00	1.00
11	Forb	COCA2	25	75	0.00	38.00	7.35	12.68
11	Forb	COHI	25	75	0.00	1.33	0.27	0.53
12	Forb	CROTO	5	25	0.47	15.36	3.82	4.83
13	Forb	GACO	5	15	0.00	2.67	0.53	1.07
14	Forb	AAFF	5	25	0.00	24.60	12.31	8.94
14	Forb	PECTI	5	25	0.00	34.80	7.79	12.58
15	Forb	DYPE2	5	15	0.00	10.66	2.27	4.21
15	Forb	ERTE13	5	15	0.00	1.64	0.41	0.71
15	Forb	LEER	5	15	0.00	0.67	0.13	0.27
15	Forb	LEMO2	5	15	0.00	8.20	2.71	2.55
15	Forb	LESQU	5	15	0.00	1.68	0.54	0.69

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
15	Forb	ZINNI	5	15	0.00	11.48	2.87	4.97
16	Shrub	EPHED	15	35	0.00	28.00	9.33	13.20
18	Shrub	LADI2	5	15	0.00	10.26	3.16	4.15
18	Shrub	OPUNT	5	15	0.00	6.00	1.14	2.10
21	Shrub	GUSA2	0	0	0.00	25.08	9.28	9.92
21	Shrub	PRGL2	0	0	0.00	13.79	4.24	4.85



Ground Cover Trends



	1/14/1981	12/7/1984	11/20/1989	12/19/1994	4/4/2001
BGROUND	57.00	60.00	86.00	64.00	32.00
Grass	3.00	15.00	11.00	17.00	24.00
LITTER	40.00	25.00	3.00	19.00	40.00
Shrub	0.00	1.00	0.00	0.00	3.00
Total	100.00	101.00	100.00	100.00	99.00

Report Parameters

SITE NAME LIKE	65062-COMANCHE DRAW-D105
ON/AFTER	10/01/1980
ON/BEFORE	09/30/2002

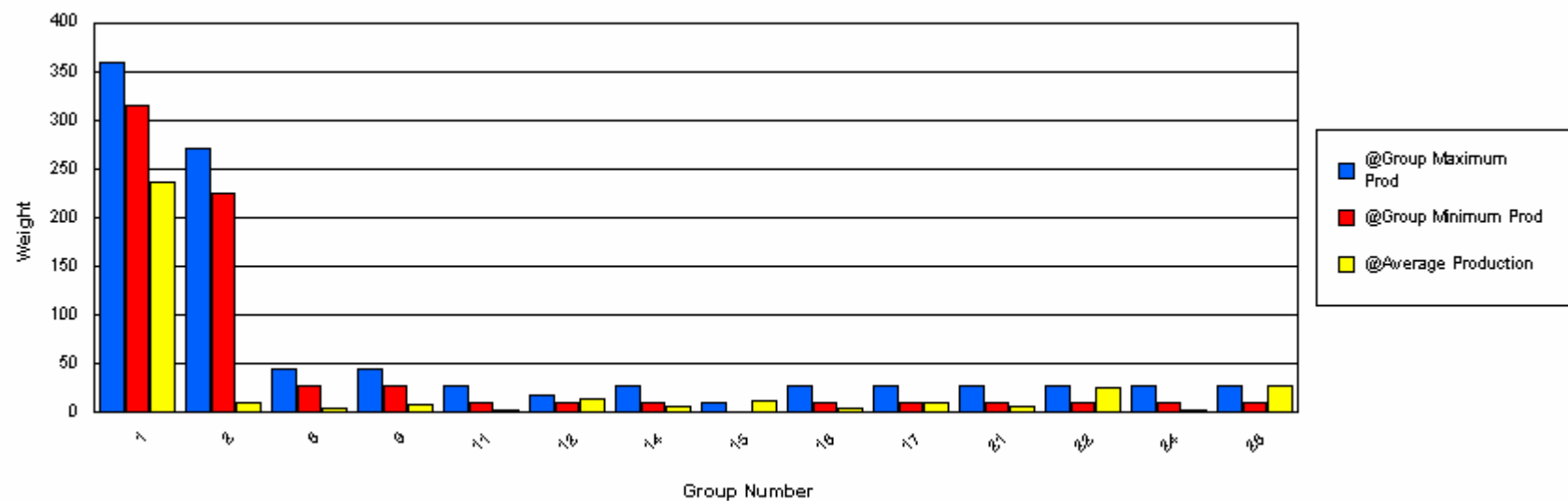
Functional / Structural Groups

Report Parameters

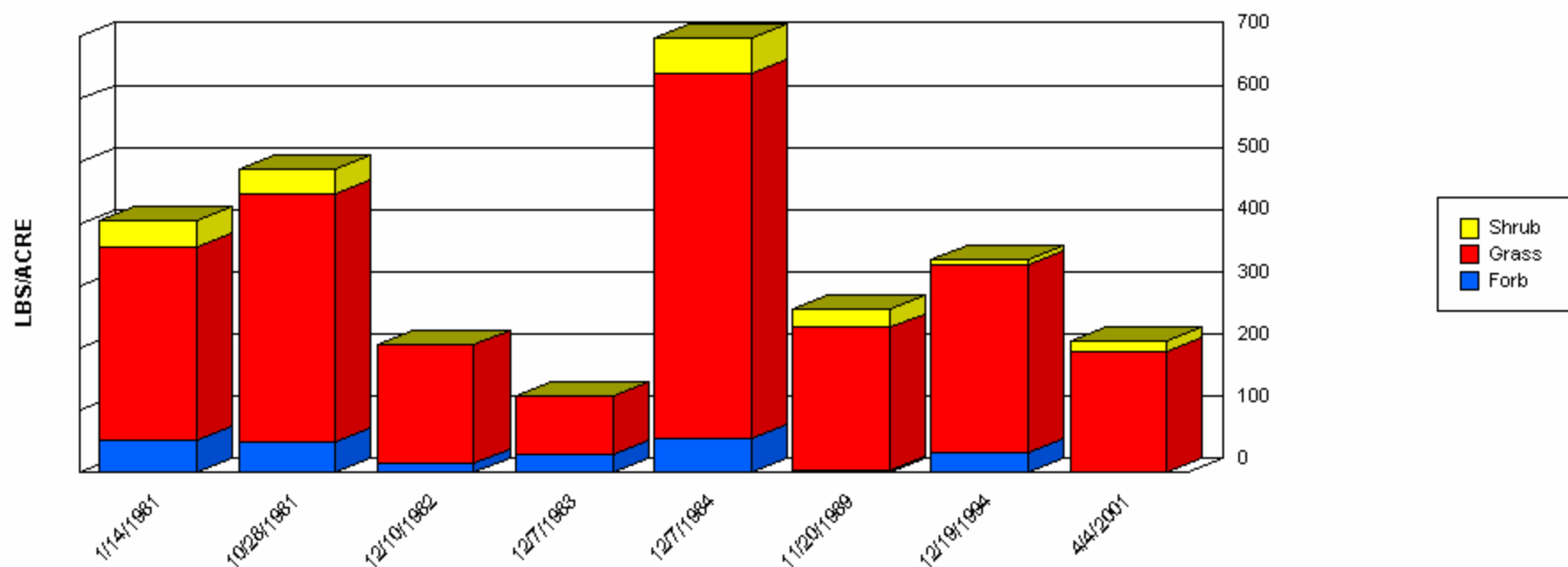
SITE NAME LIKE 65062-COMANCHE DRAW-D105
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY007NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	HIMU2	315	360	31.32	398.16	147.38	103.09
1	Grass	SCBR2	315	360	28.80	154.00	88.09	49.42
2	Grass	BOER4	225	270	0.00	34.00	9.44	10.17
6	Grass	SPAI	27	45	0.00	17.64	4.47	6.67
7	Grass	SPCR	27	45	0.00	4.91	0.82	1.83
9	Grass	MUAR	27	45	0.00	25.60	6.02	8.66
9	Grass	MUAR2	27	45	0.00	9.94	2.49	4.30
11	Grass	ENDE	9	27	0.00	6.00	1.33	2.21
12	Grass	PAHA	9	18	0.00	62.40	13.76	21.12
14	Grass	TRMU	9	27	0.00	17.36	5.79	8.18
15	Grass	TRPI2	0	9	0.00	43.52	10.72	16.54
16	Grass	AAGG	9	27	0.00	20.00	3.44	7.41
17	Grass	ERPU8	9	27	0.00	4.00	1.27	1.80
17	Grass	SPNE	9	27	0.00	20.00	8.07	6.47
18	Forb	VERBE	9	27	0.00	0.96	0.19	0.38
21	Forb	ERTE13	9	27	0.00	2.68	0.69	0.95
21	Forb	HOFFM	9	27	0.00	0.72	0.14	0.29
21	Forb	LEMO2	9	27	0.00	18.76	4.91	6.77
22	Forb	AAFF	9	27	0.00	38.40	15.83	13.49
22	Forb	PECTI	9	27	0.00	34.80	8.56	12.74
23	Forb	ALLIU	9	27	0.00	0.40	0.08	0.16
24	Forb	GACO	9	27	0.00	3.60	0.72	1.44
24	Forb	PPFF	9	27	0.00	2.16	0.43	0.86
26	Shrub	GUSA2	9	27	0.00	58.10	16.30	23.65
26	Shrub	OPUNT	9	27	0.00	41.60	9.74	14.72

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
-------	------------	---------	----------------	-----------------	---------	---------	---------	-------



Production Lbs/Acre Trends

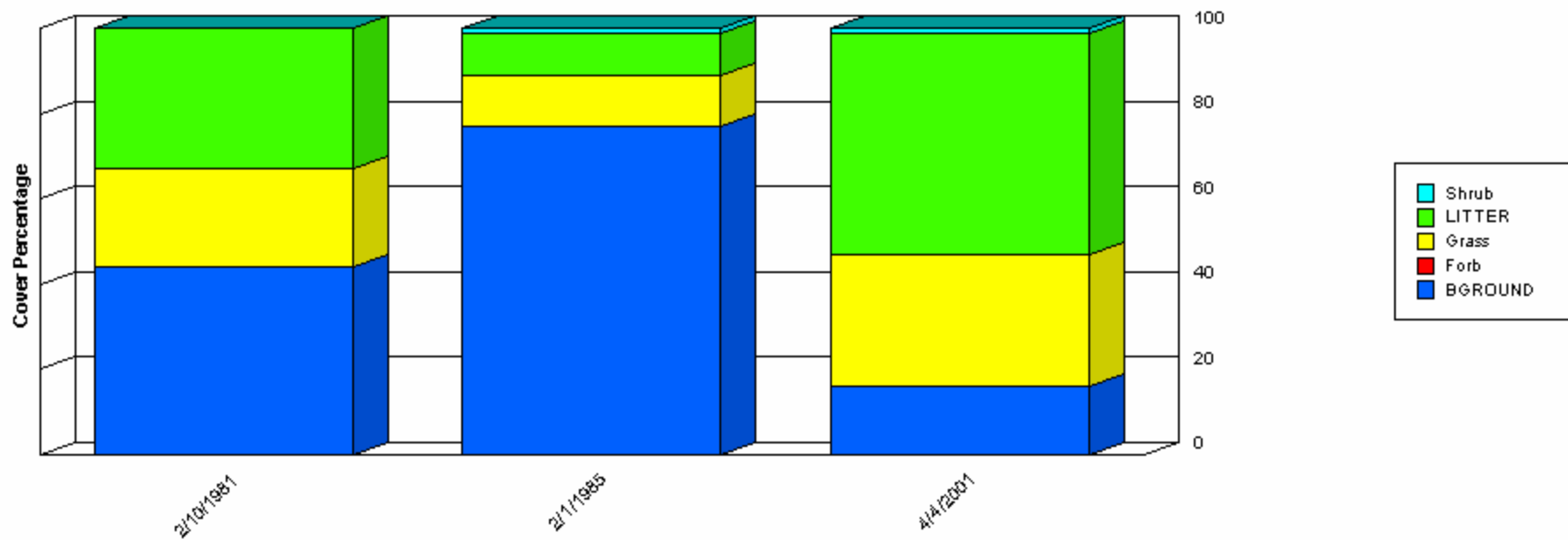


	1/14/1981	10/28/1981	12/10/1982	12/7/1983	12/7/1984	11/20/1989	12/19/1994	4/4/2001
Forb	52.96	50.38	16.24	30.82	55.07	3.00	32.00	0.00
Grass	310.08	396.44	188.72	91.60	585.69	230.00	302.00	193.91
Shrub	41.60	39.88	0.00	0.00	58.10	30.00	8.00	17.47
Total	404.64	486.70	204.96	122.42	698.86	263.00	342.00	211.38

Report Parameters

SITE NAME LIKE 65062-COMANCHE DRAW-D105
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

Ground Cover Trends



	2/10/1981	2/1/1985	4/4/2001
BGROUND	44.00	77.00	16.00
Forb	0.00	0.00	0.00
Grass	23.00	12.00	31.00
LITTER	33.00	10.00	52.00
Shrub	0.00	1.00	1.00
Total	100.00	100.00	100.00

Report Parameters

SITE NAME LIKE	65062-SORENSEN-D266
ON/AFTER	10/01/1980
ON/BEFORE	09/30/2002

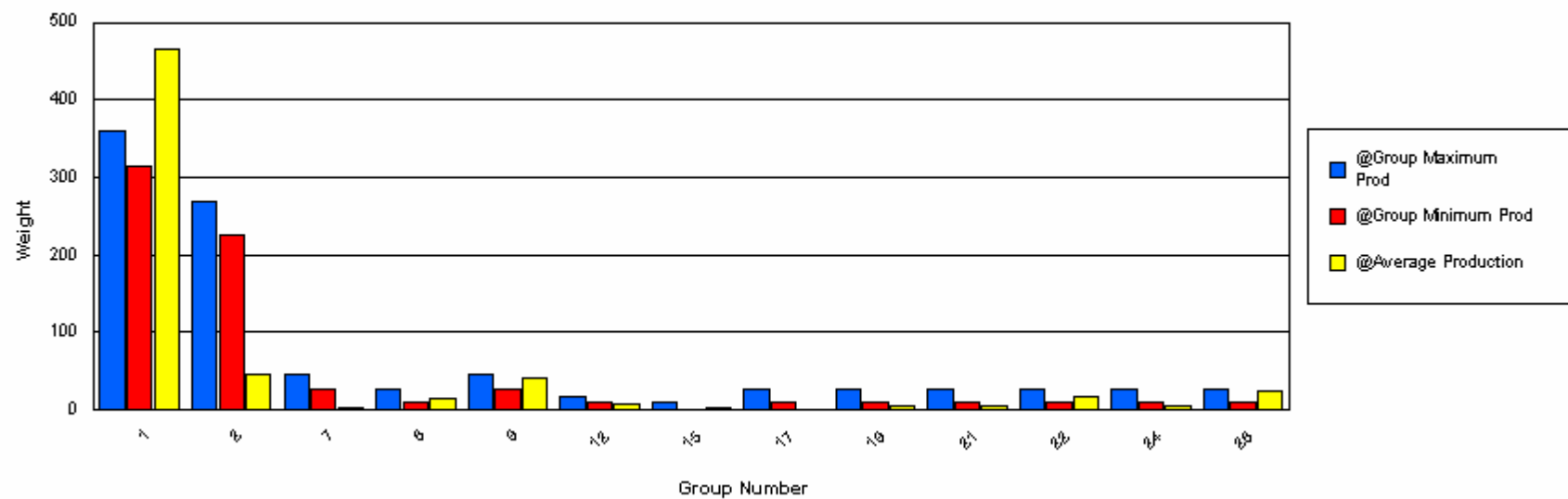
Functional / Structural Groups

Report Parameters

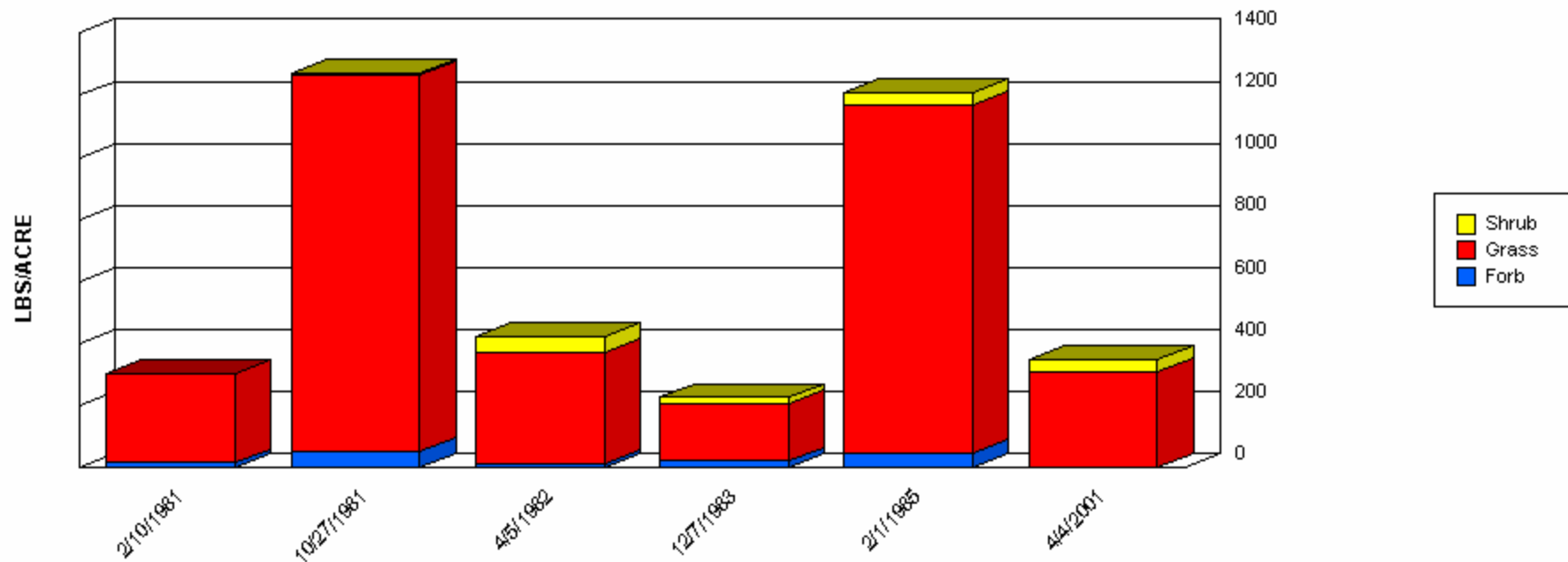
SITE NAME LIKE 65062-SORENSEN-D266
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY007NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	HIMU2	315	360	140.40	1,041.60	444.68	363.15
1	Grass	SCBR2	315	360	0.00	55.44	20.16	18.30
2	Grass	BOER4	225	270	1.00	25.50	10.21	8.20
2	Grass	BOGR2	225	270	6.05	92.00	34.97	30.39
7	Grass	SPCR	27	45	0.00	6.40	3.16	2.40
8	Grass	PAOB	9	27	0.00	28.16	13.61	13.05
9	Grass	MUAR	27	45	0.00	42.00	16.35	16.23
9	Grass	MUAR2	27	45	0.00	60.00	23.28	23.73
12	Grass	PAHA	9	18	0.00	24.96	6.19	9.50
14	Grass	TRMU	9	27	0.00	2.36	0.59	1.02
15	Grass	TRPI2	0	9	0.00	6.00	3.00	3.00
17	Grass	ERPU8	9	27	0.00	1.00	0.20	0.40
17	Grass	SPNE	9	27	0.00	2.00	1.00	1.00
19	Forb	CROTO	9	27	0.00	6.00	1.27	2.37
19	Forb	PENA	9	27	0.00	16.50	3.50	6.51
21	Forb	ERTE13	9	27	0.00	0.82	0.21	0.36
21	Forb	LEMO2	9	27	0.00	8.68	4.89	3.63
22	Forb	AAFF	9	27	0.00	43.00	15.62	13.44
24	Forb	CIOC	9	27	0.00	17.22	4.31	7.46
24	Forb	PPFF	9	27	0.00	2.88	0.58	1.15
26	Shrub	GUSA2	9	27	0.00	50.16	23.24	20.94

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
-------	------------	---------	----------------	-----------------	---------	---------	---------	-------



Production Lbs/Acre Trends

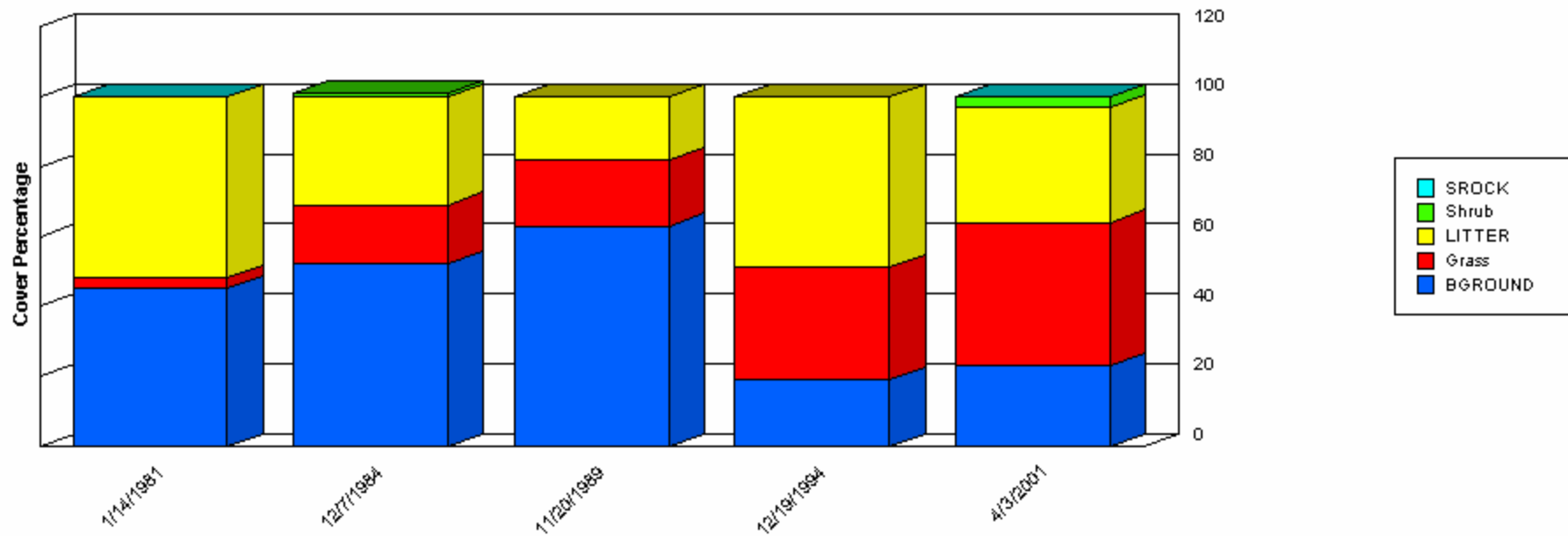


	2/10/1981	10/27/1981	4/5/1982	12/7/1983	2/1/1985	4/4/2001
Forb	16.49	52.58	12.90	22.20	49.00	0.00
Grass	285.93	1,213.52	358.88	186.22	1,117.00	310.99
Shrub	0.00	2.44	50.16	18.60	45.00	36.67
Total	302.42	1,268.54	421.94	227.02	1,211.00	347.65

Report Parameters

SITE NAME LIKE 65062-SORENSEN-D266
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

Ground Cover Trends



	1/14/1981	12/7/1984	11/20/1989	12/19/1994	4/3/2001
BGROUND	45.00	52.00	63.00	19.00	23.00
Grass	3.00	17.00	19.00	32.00	41.00
LITTER	52.00	31.00	18.00	49.00	33.00
Shrub	0.00	1.00	0.00	0.00	3.00
SROCK	0.00	0.00	0.00	0.00	0.00
Total	100.00	101.00	100.00	100.00	100.00

Report Parameters

SITE NAME LIKE	65062-SPRING-D104
ON/AFTER	10/01/1980
ON/BEFORE	09/30/2002

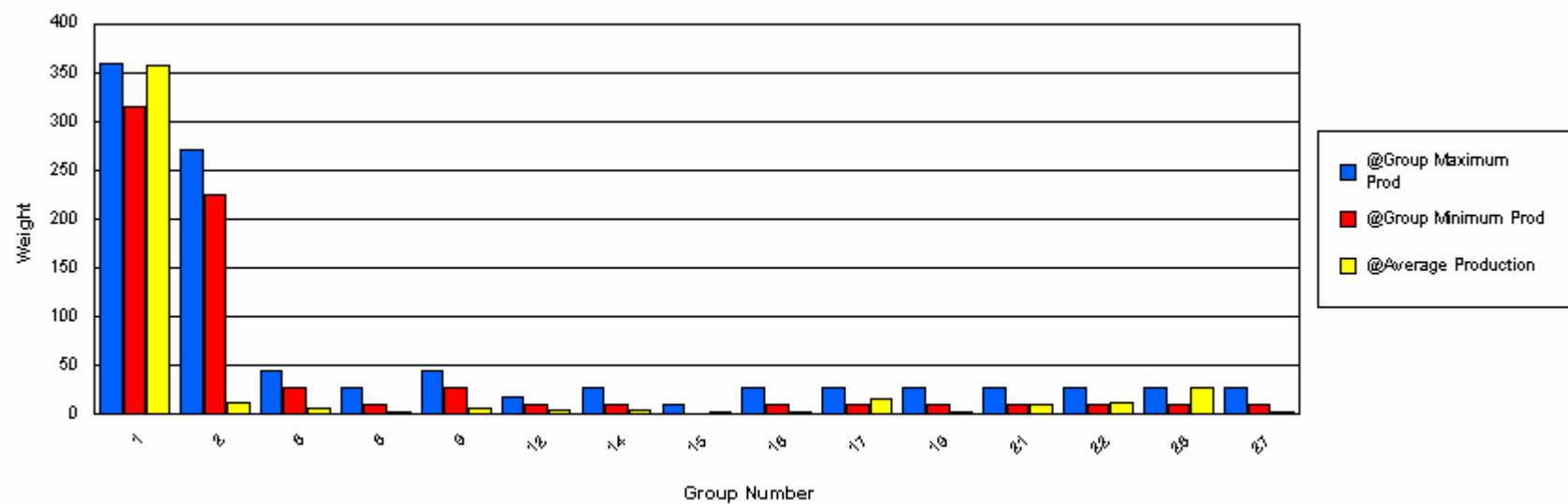
Functional / Structural Groups

Report Parameters

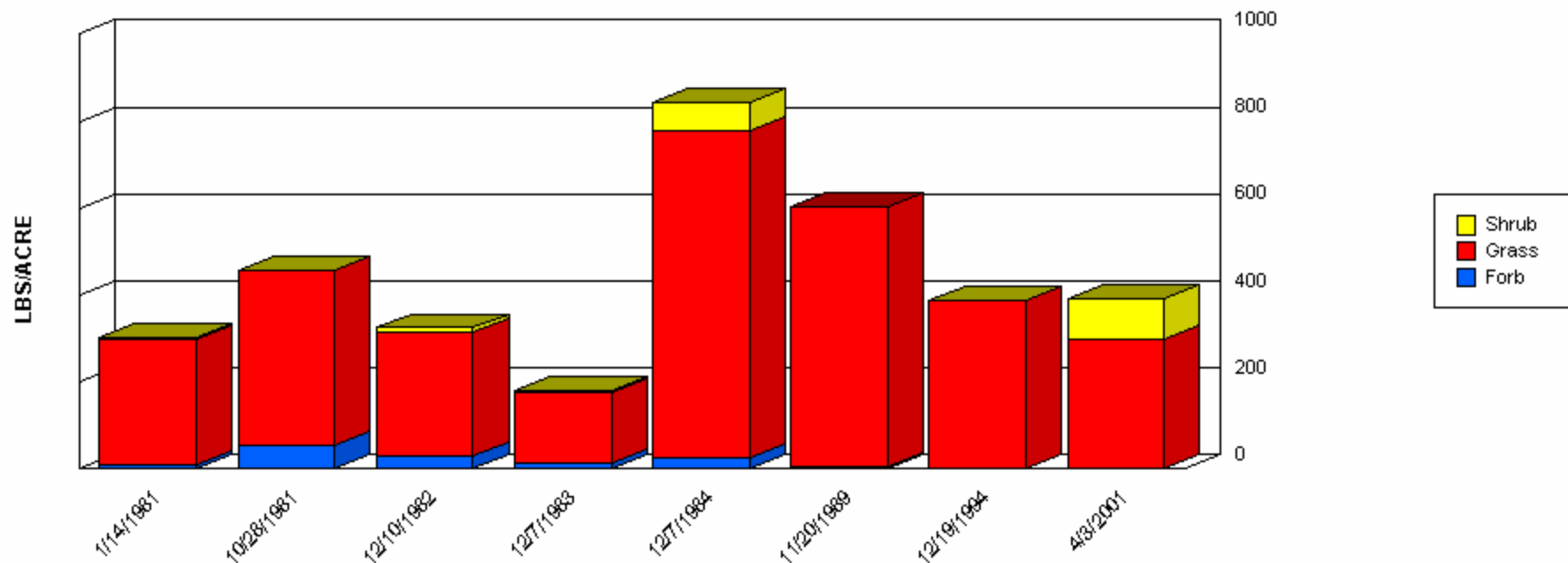
SITE NAME LIKE 65062-SPRING-D104
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY007NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	HIMU2	315	360	81.78	549.00	300.32	166.35
1	Grass	SCBR2	315	360	11.00	120.00	57.01	35.67
2	Grass	BOER4	225	270	0.00	34.00	11.81	12.62
6	Grass	SPAI	27	45	0.00	40.65	6.52	14.04
7	Grass	ARIST	27	45	0.00	3.72	0.80	1.36
8	Grass	PAOB	9	27	0.00	9.92	1.65	3.70
9	Grass	MUAR	27	45	0.00	20.80	5.97	8.16
11	Grass	ENDE	9	27	0.00	2.57	0.65	0.99
12	Grass	PAHA	9	18	0.00	9.12	4.36	3.40
14	Grass	TRMU	9	27	0.00	12.40	4.13	5.85
15	Grass	TRPI2	0	9	0.00	8.30	2.38	3.44
16	Grass	AAGG	9	27	0.00	5.33	1.07	2.13
17	Grass	ERAGR	9	27	0.00	4.88	1.63	2.30
17	Grass	ERPU8	9	27	0.55	13.12	4.73	4.16
17	Grass	SPNE	9	27	0.52	30.00	8.48	9.00
19	Forb	CROTO	9	27	0.00	1.34	0.73	0.55
19	Forb	PENA	9	27	0.00	1.10	0.39	0.42
21	Forb	CASSI	9	27	0.00	0.82	0.21	0.36
21	Forb	ERTE13	9	27	0.00	4.02	0.89	1.48
21	Forb	HOGL2	9	27	0.00	1.72	0.57	0.81
21	Forb	LEMO2	9	27	0.00	38.54	7.81	15.37
22	Forb	AAFF	9	27	0.00	28.38	10.66	9.46
22	Forb	CIRSI	9	27	0.00	0.86	0.29	0.41
22	Forb	PECTI	9	27	0.00	1.60	0.27	0.60
24	Forb	GACO	9	27	0.00	1.40	0.28	0.56
24	Forb	PPFF	9	27	0.00	0.72	0.14	0.29

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
25	Shrub	EPHED	9	27	0.00	0.32	0.06	0.13
26	Shrub	GUSA2	9	27	0.00	61.97	12.24	22.56
26	Shrub	OPUNT	9	27	0.00	93.33	14.10	32.37
27	Shrub	ARFI2	9	27	0.00	4.02	2.01	2.01



Production Lbs/Acre Trends

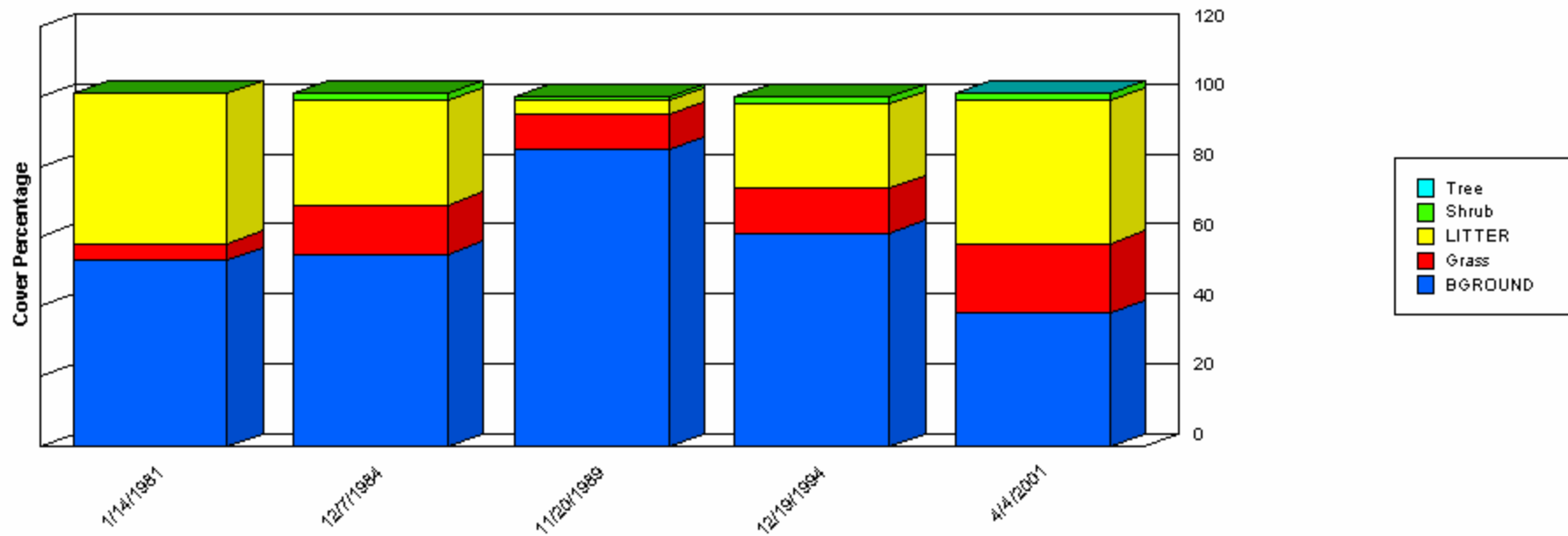


	1/14/1981	10/28/1981	12/10/1982	12/7/1983	12/7/1984	11/20/1989	12/19/1994	4/3/2001
Forb	9.87	52.76	31.82	12.06	26.80	6.00	2.00	0.00
Grass	290.10	405.68	282.38	163.78	752.33	598.00	384.00	298.59
Shrub	1.25	0.00	10.56	4.02	65.31	0.00	2.00	93.33
Total	301.23	458.44	324.76	179.86	844.44	604.00	388.00	391.93

Report Parameters

SITE NAME LIKE 65062-SPRING-D104
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

Ground Cover Trends



Report Parameters

SITE NAME LIKE	65062-WEST-D103
ON/AFTER	10/01/1980
ON/BEFORE	09/30/2002

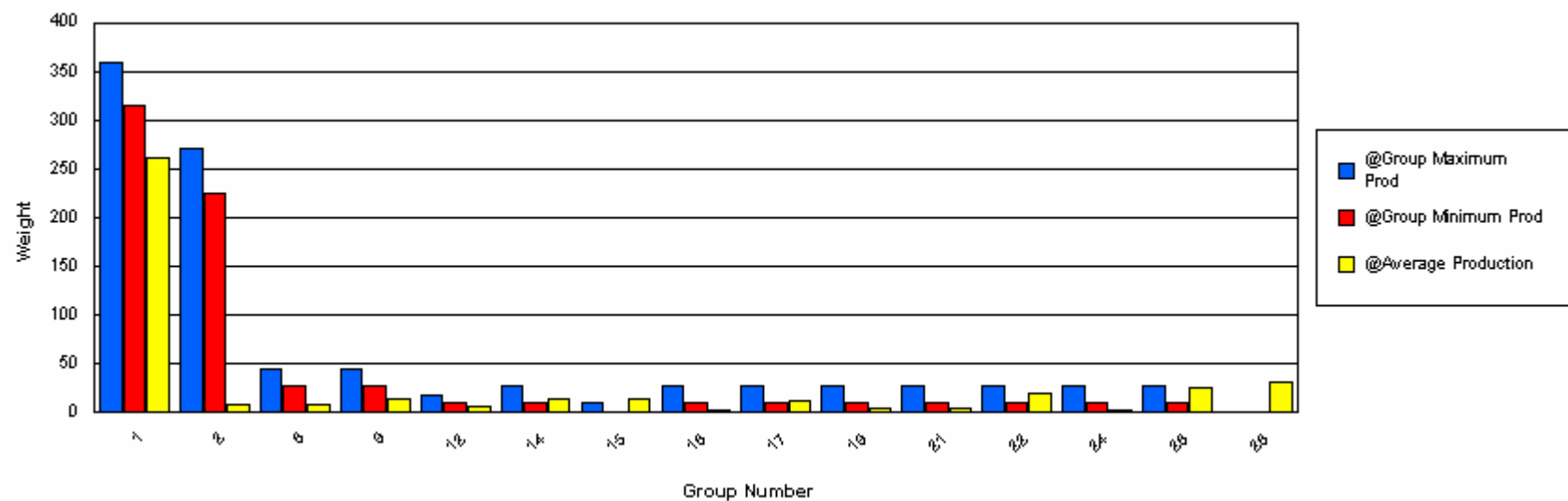
Functional / Structural Groups

Report Parameters

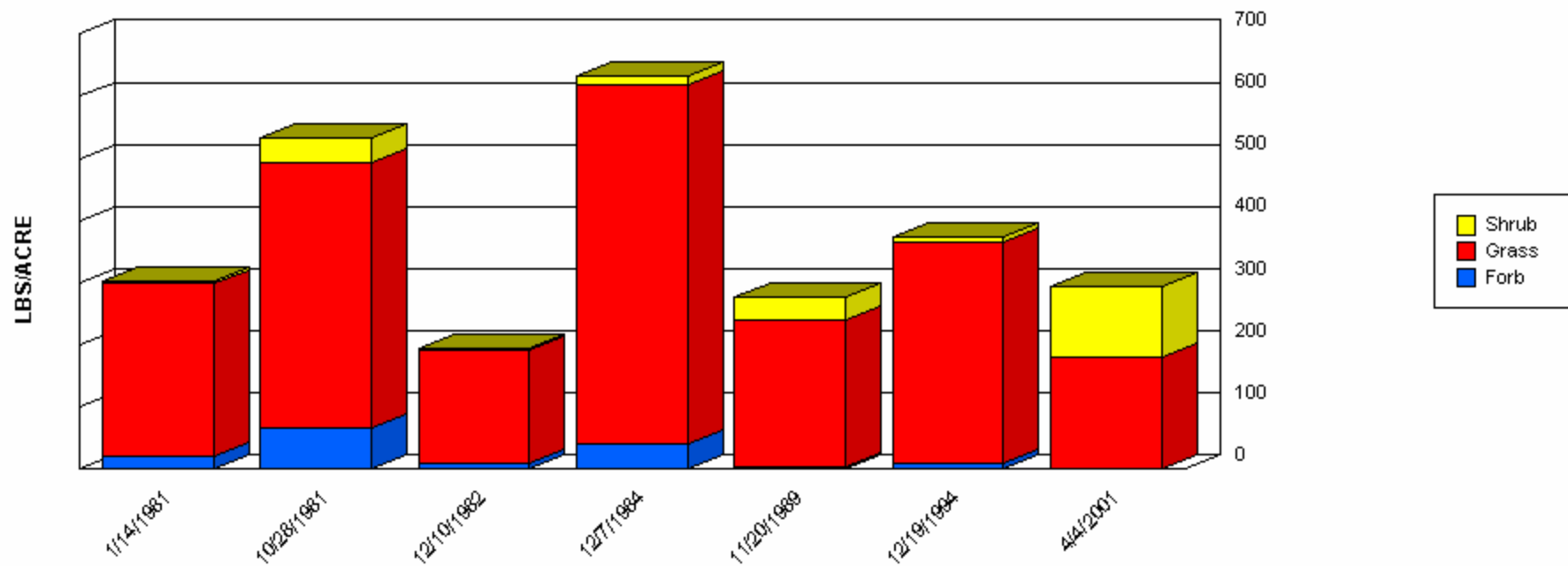
SITE NAME LIKE 65062-WEST-D103
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY007NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	HIMU2	315	360	20.00	400.40	139.47	117.46
1	Grass	SCBR2	315	360	57.00	234.08	121.58	54.12
2	Grass	BOER4	225	270	0.00	16.00	8.26	5.76
6	Grass	SPAI	27	45	0.00	32.00	7.08	12.53
7	Grass	SPCR	27	45	0.00	1.23	0.25	0.49
9	Grass	MUAR	27	45	0.00	25.00	12.81	8.62
11	Grass	ENDE	9	27	0.00	2.00	0.53	0.78
12	Grass	PAHA	9	18	0.00	24.96	6.43	8.57
14	Grass	TRMU	9	27	0.00	26.04	13.02	13.02
15	Grass	TRPI2	0	9	0.00	58.50	12.67	22.96
16	Grass	AAGG	9	27	0.00	6.00	1.50	2.60
17	Grass	ERPU8	9	27	0.55	27.88	6.86	9.17
17	Grass	SPNE	9	27	0.00	12.32	5.04	4.82
19	Forb	CROTO	9	27	0.00	1.00	0.39	0.48
19	Forb	PENA	9	27	0.00	4.40	2.51	1.85
21	Forb	ERTE13	9	27	0.00	16.40	3.68	5.92
21	Forb	LEMO2	9	27	0.00	0.76	0.38	0.38
22	Forb	AAFF	9	27	0.00	22.00	8.66	7.18
22	Forb	CALYL	9	27	0.00	4.10	1.37	1.93
22	Forb	PECTI	9	27	0.00	29.58	8.56	11.69
24	Forb	PPFF	9	27	0.00	5.76	1.44	2.49
24	Forb	SOEL	9	27	0.00	0.80	0.16	0.32
26	Shrub	GUSA2	9	27	0.00	39.04	13.51	15.98
26	Shrub	OPUNT	9	27	0.00	53.33	12.32	20.57
28	Shrub	PRGL2	0	0	2.00	60.17	31.08	29.08

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
-------	------------	---------	----------------	-----------------	---------	---------	---------	-------



Production Lbs/Acre Trends



	1/14/1981	10/28/1981	12/10/1982	12/7/1984	11/20/1989	12/19/1994	4/4/2001
Forb	20.81	67.60	9.04	40.67	4.00	11.00	0.00
Grass	277.65	426.22	181.34	579.09	235.00	355.00	180.39
Shrub	3.67	39.04	4.40	11.73	39.00	7.00	113.50
Total	302.13	532.86	194.78	631.49	278.00	373.00	293.89

Report Parameters

SITE NAME LIKE 65062-WEST-D103
 ON/AFTER 10/01/1980
 ON/BEFORE 09/30/2002

65062 SLASH G-WOODS-SORENSEN

WEST

Vegid#: 359

65062-WEST-D103

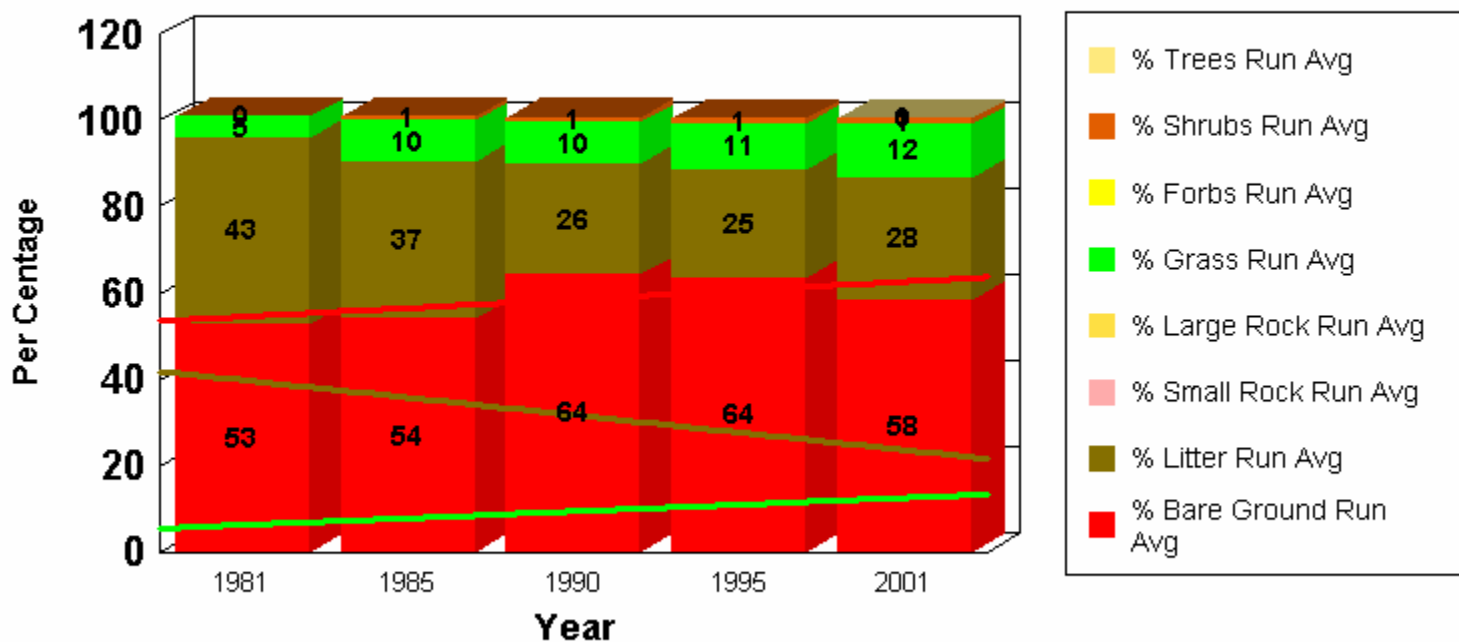
Ecological Site No.: 042CY007NM

Location: Township: 0110S Range 0260E Section 26 QtrQtr: SWNW

Year	Bare Ground	Litter	Small Rock	Large Rock	Forbs	Grass	Shrubs	Trees	Running Average Bground	Running Average Litter	Running Average Srock	Running Average Lrock	Running Average Forb	Running Average Grass	Running Average Shrubs	Running Average Trees
1981	53.00	43.00				5.00	0.00		53.00	43.00				5.00	0.00	
1985	55.00	30.00				14.00	2.00		54.00	36.50				9.50	1.00	
1990	85.00	4.00				10.00	1.00		64.33	25.67				9.67	1.00	
1995	61.00	24.00				13.00	2.00		63.50	25.25				10.50	1.25	
2001	38.00	41.00				20.00	2.00	0.00	58.40	28.40				12.40	1.40	0.00

Running Average Ground Cover Trends

With Trendlines



65062 SLASH G-WOODS-SORENSEN

SPRING

Vegid#: 360

65062-SPRING-D104

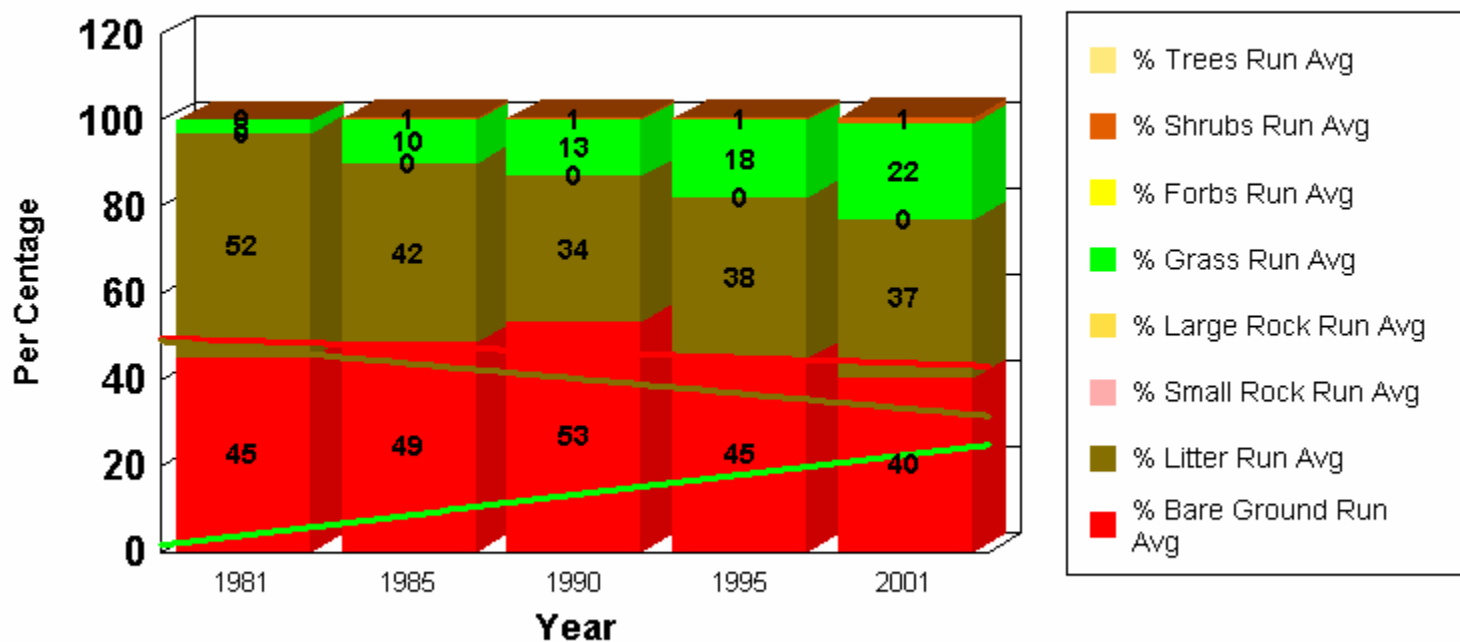
Ecological Site No.: 042CY007NM

Location: Township: 0110S Range 0260E Section 13 QtrQtr: SESW

Year	Bare Ground	Litter	Small Rock	Large Rock	Forbs	Grass	Shrubs	Trees	Running Average Bground	Running Average Litter	Running Average Srock	Running Average Lrock	Running Average Forb	Running Average Grass	Running Average Shrubs	Running Average Trees
1981	45.00	52.00	0.00			3.00	0.00		45.00	52.00	0.00			3.00	0.00	
1985	52.00	31.00				17.00	1.00		48.50	41.50	0.00			10.00	0.50	
1990	63.00	18.00				19.00			53.33	33.67	0.00			13.00	0.50	
1995	19.00	49.00				32.00			44.75	37.50	0.00			17.75	0.50	
2001	23.00	33.00	0.00			41.00	3.00		40.40	36.60	0.00			22.40	1.33	

Running Average Ground Cover Trends

With Trendlines



65062 SLASH G-WOODS-SORENSEN

COMANCHE DRAW

Vegid#: 361

65062-COMANCHE DRAW-

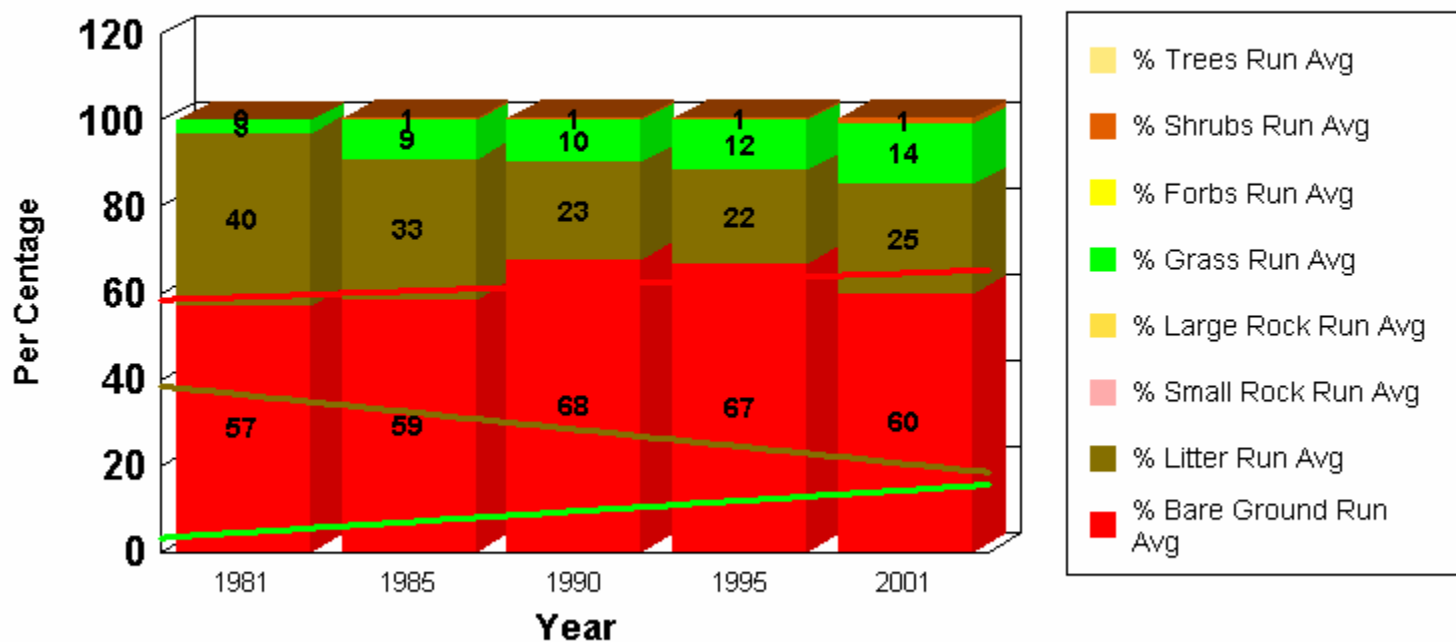
Ecological Site No.: 042CY007NM

Location: Township: 0110S Range 0260E Section 14 QtrQtr: SWSW

Year	Bare Ground	Litter	Small Rock	Large Rock	Forbs	Grass	Shrubs	Trees	Running Average Bground	Running Average Litter	Running Average Srock	Running Average Lrock	Running Average Forb	Running Average Grass	Running Average Shrubs	Running Average Trees
1981	57.00	40.00				3.00	0.00		57.00	40.00				3.00	0.00	
1985	60.00	25.00				15.00	1.00		58.50	32.50				9.00	0.50	
1990	86.00	3.00				11.00			67.67	22.67				9.67	0.50	
1995	64.00	19.00				17.00			66.75	21.75				11.50	0.50	
2001	32.00	40.00				24.00	3.00		59.80	25.40				14.00	1.33	

Running Average Ground Cover Trends

With Trendlines



65062 SLASH G-WOODS-SORENSEN

#3N

Vegid#: 362

65062-#3N-D106

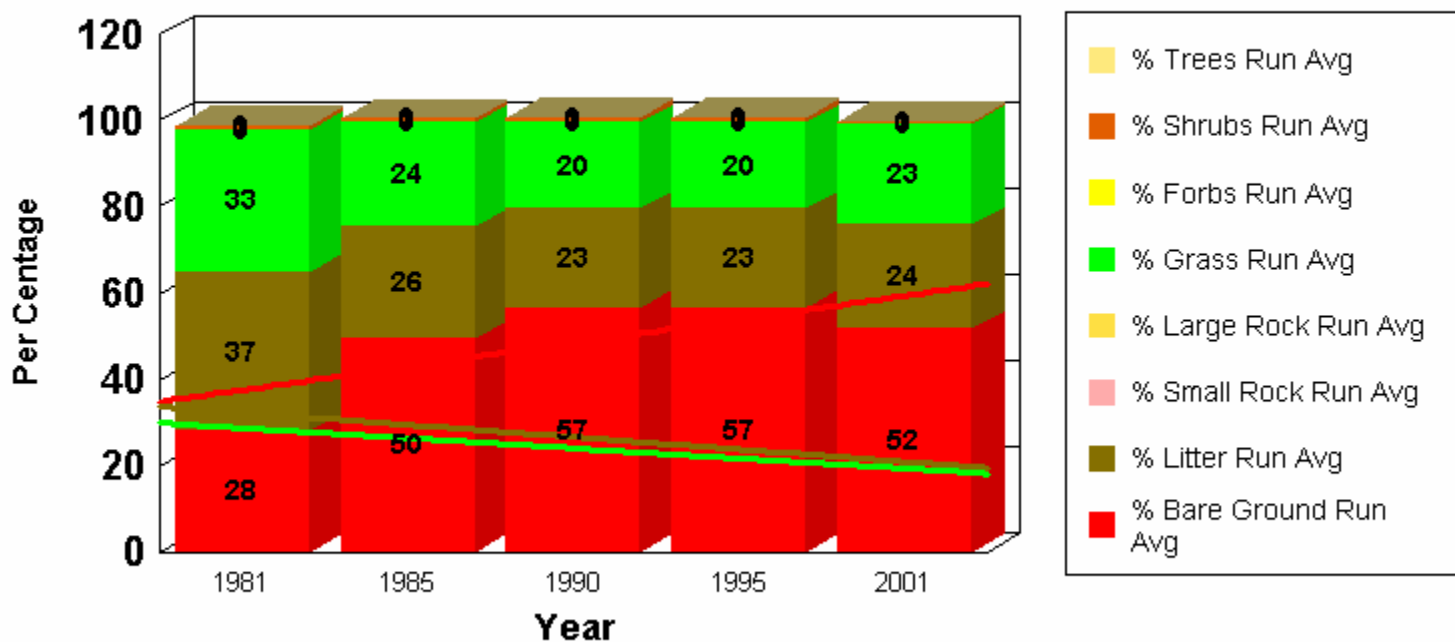
Ecological Site No.: 042CY007NM

Location: Township: 0110S Range 0260E Section 36 QtrQtr: NWNE

Year	Bare Ground	Litter	Small Rock	Large Rock	Forbs	Grass	Shrubs	Trees	Running Average Bground	Running Average Litter	Running Average Srock	Running Average Lrock	Running Average Forb	Running Average Grass	Running Average Shrubs	Running Average Trees
1981	28.00	37.00			0	33.00	1.00	0.00	28.00	37.00			0	33.00	1.00	0.00
1985	71.00	15.00				15.00			49.50	26.00			0	24.00	1.00	0.00
1990	71.00	17.00				12.00			56.67	23.00			0	20.00	1.00	0.00
1995									56.67	23.00			0	20.00	1.00	0.00
2001	37.00	28.00			0	33.00	0.00	0.00	51.75	24.25			0	23.25	0.50	0.00

Running Average Ground Cover Trends

With Trendlines



65062 SLASH G-WOODS-SORENSEN

#3S

Vegid#: 363

65062-#3S-D107

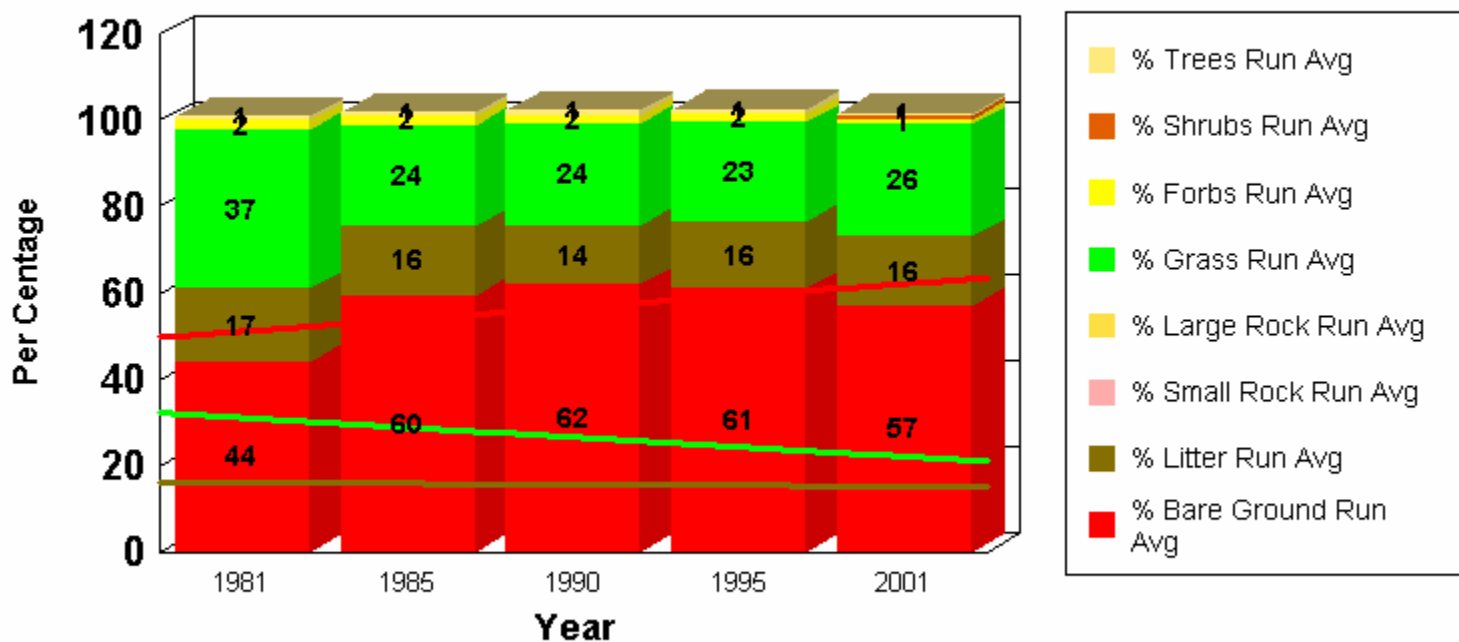
Ecological Site No.: 042CY007NM

Location: Township: 0120S Range 0270E Section 07 QtrQtr: SENE

Year	Bare Ground	Litter	Small Rock	Large Rock	Forbs	Grass	Shrubs	Trees	Running Average Bground	Running Average Litter	Running Average Srock	Running Average Lrock	Running Average Forb	Running Average Grass	Running Average Shrubs	Running Average Trees
1981	44.00	17.00			2.00	37.00		1.00	44.00	17.00			2.00	37.00		1.00
1985	75.00	15.00				10.00			59.50	16.00			2.00	23.50		1.00
1990	67.00	9.00				24.00			62.00	13.67			2.00	23.67		1.00
1995	58.00	21.00				21.00			61.00	15.50			2.00	23.00		1.00
2001	41.00	19.00			0	38.00	1.00	0.00	57.00	16.20			1.00	26.00	1.00	0.50

Running Average Ground Cover Trends

With Trendlines



65062 SLASH G-WOODS-SORENSEN

#9

Vegid#: 364

65062-#9-D108

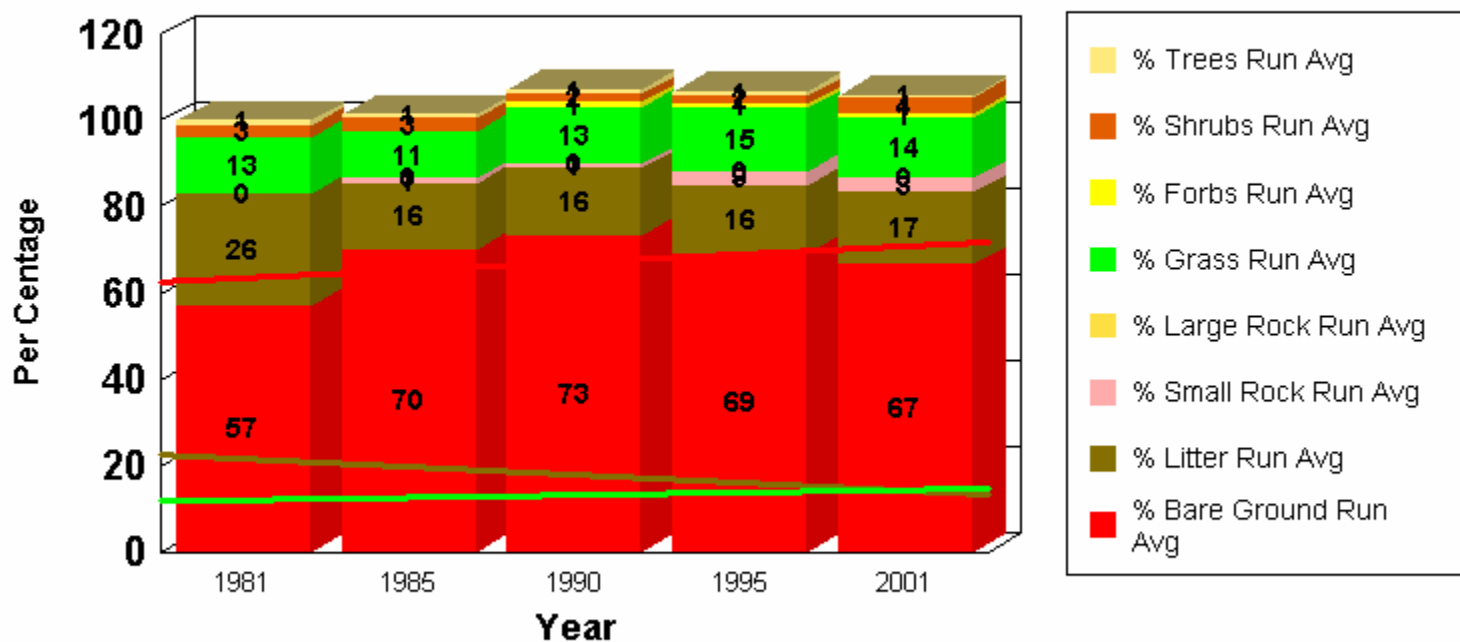
Ecological Site No.: 042CY006NM

Location: Township: 0120S Range 0260E Section 01 QtrQtr: SWSW

Year	Bare Ground	Litter	Small Rock	Large Rock	Forbs	Grass	Shrubs	Trees	Running Average Bground	Running Average Litter	Running Average Srock	Running Average Lrock	Running Average Forb	Running Average Grass	Running Average Shrubs	Running Average Trees
1981	57.00	26.00	0.00	0.00		13.00	3.00	1.00	57.00	26.00	0.00	0		13.00	3.00	1.00
1985	83.00	5.00	2.00	0.00		9.00			70.00	15.50	1.00	0		11.00	3.00	1.00
1990	80.00				1.00	18.00	1.00		73.33	15.50	1.00	0	1.00	13.33	2.00	1.00
1995	57.00	16.00	8.00			18.00			69.25	15.67	3.33	0	1.00	14.50	2.00	1.00
2001	56.00	20.00	3.00	0.00		13.00	7.00	0.00	66.60	16.75	3.25	0	1.00	14.20	3.67	0.50

Running Average Ground Cover Trends

With Trendlines



65062 SLASH G-WOODS-SORENSEN

#10E

Vegid#: 365

65062-#10E-D109

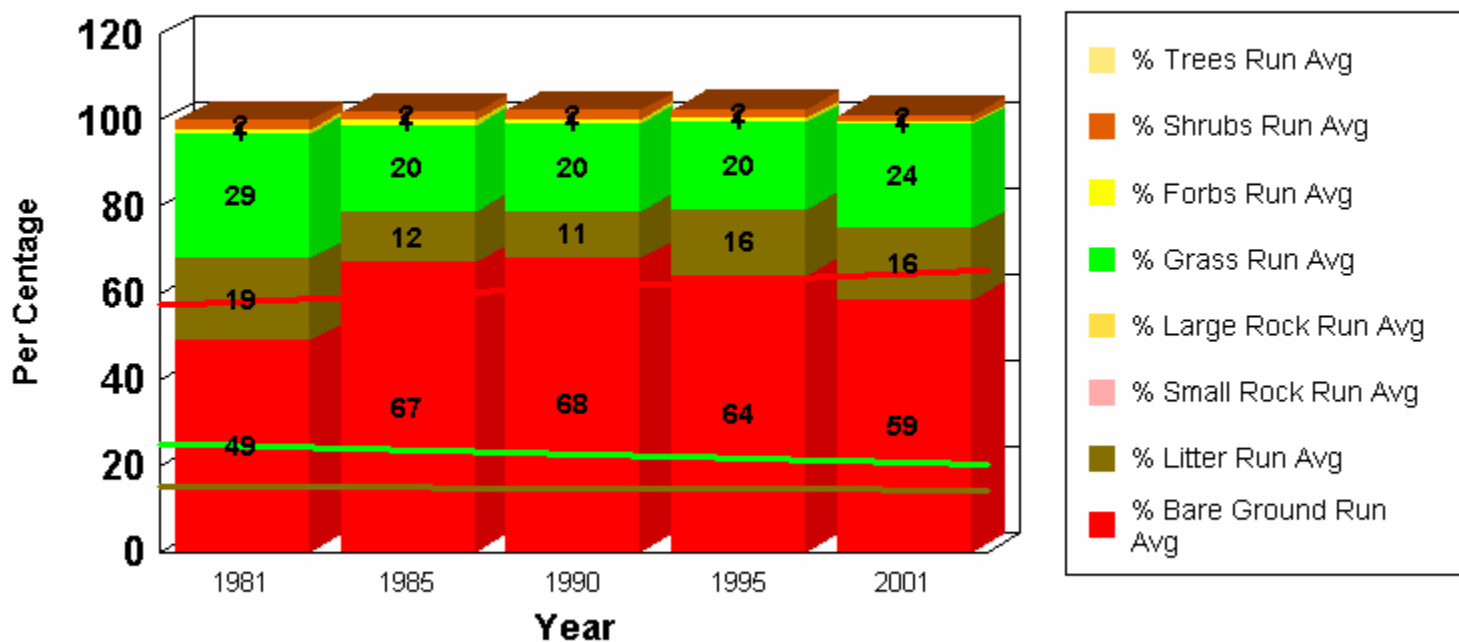
Ecological Site No.: 042CY007NM

Location: Township: 0120S Range 0270E Section 09 QtrQtr: SWSW

Year	Bare Ground	Litter	Small Rock	Large Rock	Forbs	Grass	Shrubs	Trees	Running Average Bground	Running Average Litter	Running Average Srock	Running Average Lrock	Running Average Forb	Running Average Grass	Running Average Shrubs	Running Average Trees
1981	49.00	19.00			1.00	29.00	2.00		49.00	19.00			1.00	29.00	2.00	
1985	85.00	5.00				11.00			67.00	12.00			1.00	20.00	2.00	
1990	70.00	9.00				21.00			68.00	11.00			1.00	20.33	2.00	
1995	52.00	29.00				19.00			64.00	15.50			1.00	20.00	2.00	
2001	37.00	20.00			0	41.00	1.00		58.60	16.40			0.50	24.20	1.50	

Running Average Ground Cover Trends

With Trendlines



65062 SLASH G-WOODS-SORENSEN

#10W

Vegid#: 366

65062-#10W-D110

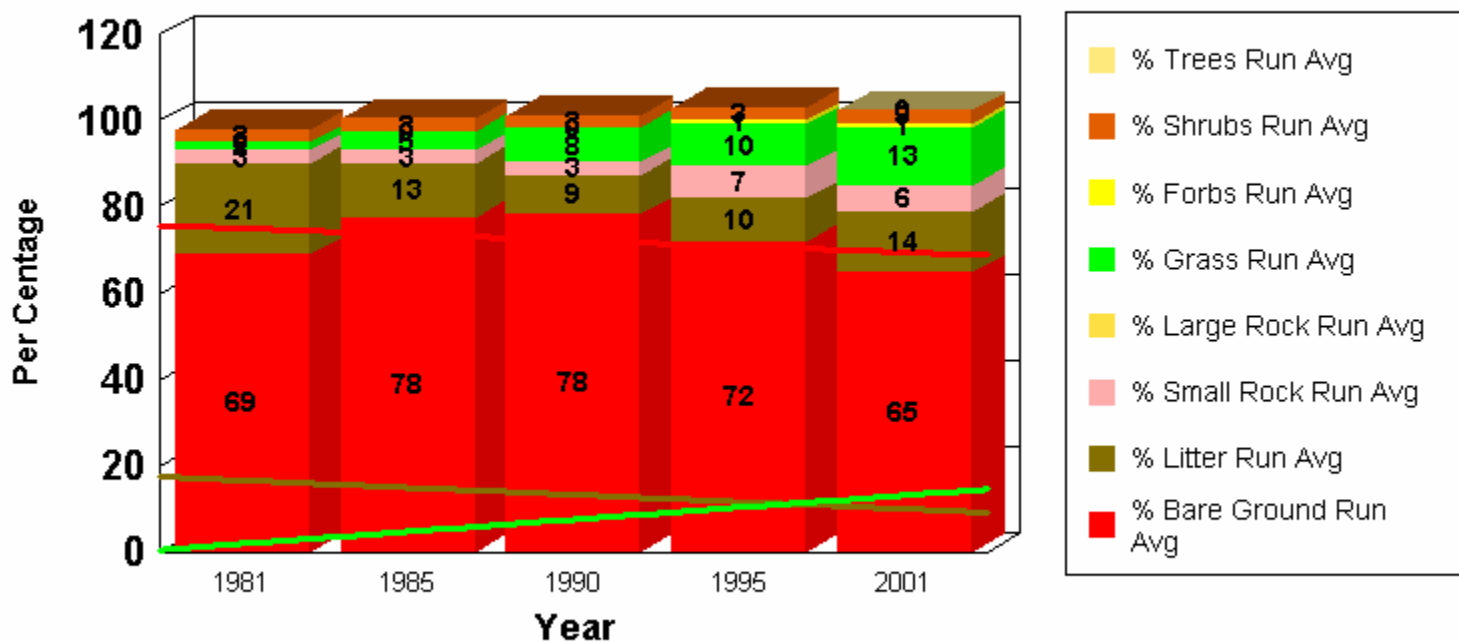
Ecological Site No.: 042CY025NM

Location: Township: 0120S Range 0270E Section 08 QtrQtr: NWNE

Year	Bare Ground	Litter	Small Rock	Large Rock	Forbs	Grass	Shrubs	Trees	Running Average Bground	Running Average Litter	Running Average Srock	Running Average Lrock	Running Average Forb	Running Average Grass	Running Average Shrubs	Running Average Trees
1981	69.00	21.00	3.00		0	2.00	3.00		69.00	21.00	3.00		0	2.00	3.00	
1985	86.00	4.00	3.00		0	7.00			77.50	12.50	3.00		0	4.50	3.00	
1990	80.00	2.00				15.00	3.00		78.33	9.00	3.00		0	8.00	3.00	
1995	53.00	13.00	16.00		3.00	15.00			72.00	10.00	7.33		1.00	9.75	3.00	
2001	36.00	30.00	3.00		1.00	28.00	3.00	0.00	64.80	14.00	6.25		1.00	13.40	3.00	0.00

Running Average Ground Cover Trends

With Trendlines



65062 SLASH G-WOODS-SORENSEN

SORENSEN

Vegid#: 521

65062-SORENSEN-D266

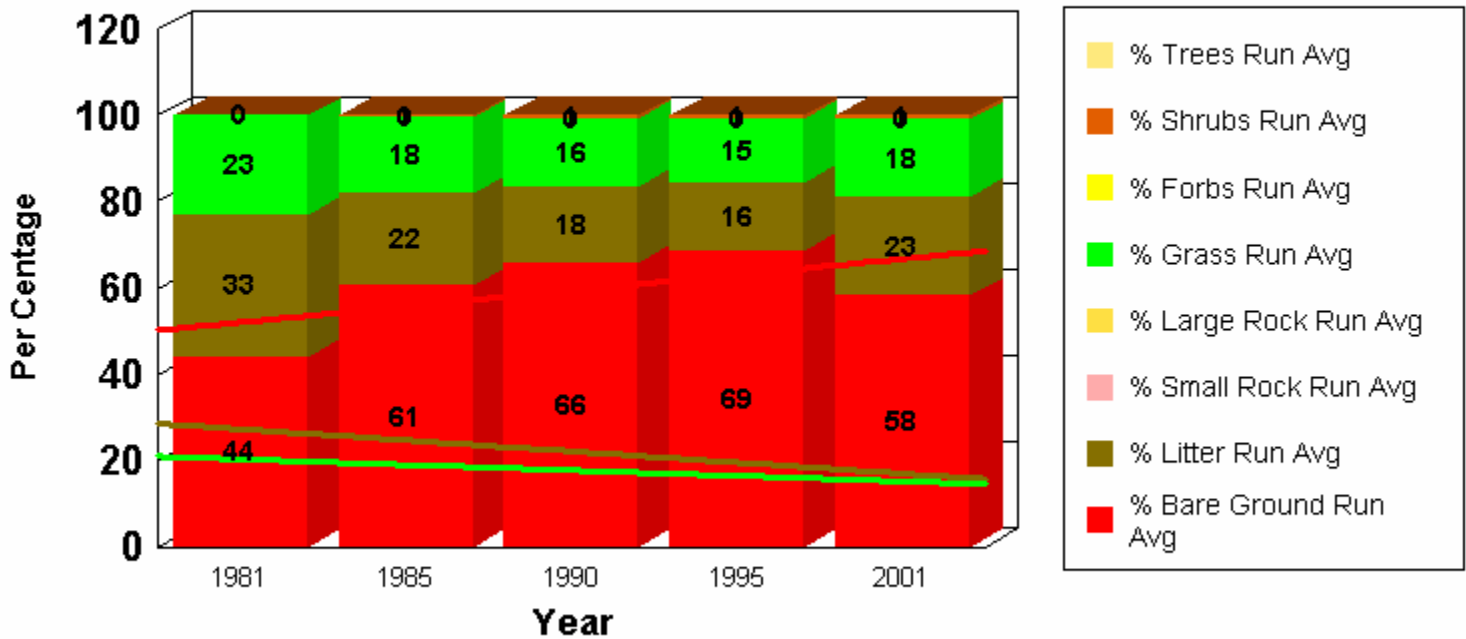
Ecological Site No.: 042CY007NM

Location: Township: 0110S Range 0270E Section 30 QtrQtr: NENE

Year	Bare Ground	Litter	Small Rock	Large Rock	Forbs	Grass	Shrubs	Trees	Running Average Bground	Running Average Litter	Running Average Srock	Running Average Lrock	Running Average Forb	Running Average Grass	Running Average Shrubs	Running Average Trees
1981	44.00	33.00			0	23.00	0.00		44.00	33.00			0	23.00	0.00	
1985	77.00	10.00			0	12.00	1.00		60.50	21.50			0	17.50	0.50	
1990	77.00	10.00			0	12.00	1.00		66.00	17.67			0	15.67	0.67	
1995	77.00	10.00			0	12.00	1.00		68.75	15.75			0	14.75	0.75	
2001	16.00	52.00			0	31.00	1.00		58.20	23.00			0	18.00	0.80	

Running Average Ground Cover Trends

With Trendlines



Production (lbs/ac) Data Trends

(Data Extracted From VMAP System)

VEGID: 359 **Date Printed:** 7/21/2004

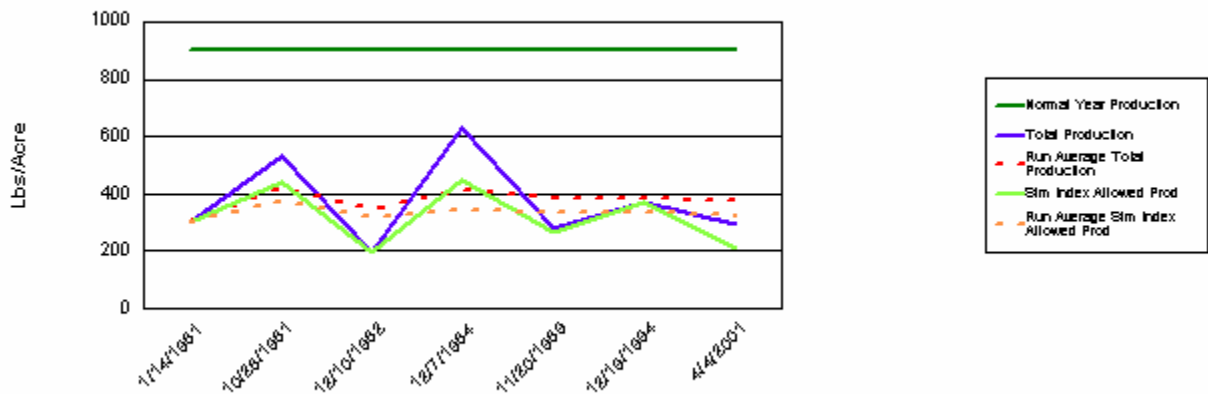
Allot No. 65062 **Allotment** SLASH G-WOODS- **Ecosite ID** 042CY007NM **Ecosite Name** LOAMY SD-3 **Site Name** 65062-WEST-D103

Location: T. 0110S R. 0260E **Sec.** 26 **QtrQt** SWNW **UTM-N**
CHAVES County, NM **UTM-E**

Soil Sur No NM666 **Soil Map Unit** RL **Soil Tax Name** REEVES **Soil Association** REEVES-HOLLOMAN

Date	Range Cond.	Similarity Index	Normal Year Production	Total Production	Running Average Production	Sim Index Allowed Production	Running Average Sim Index Allowed Production
01/14/1981	58.29	33.44	900	301.00	301.00	301.00	301.00
10/28/1981	58.56	49.22	900	533.00	417.00	443.00	372.00
12/10/1982	54.35	21.56	900	194.00	342.67	194.00	312.67
12/07/1984	52.67	49.78	900	632.00	415.00	448.00	346.50
11/20/1989	67.00	29.56	900	278.00	387.60	266.00	330.40
12/19/1994	53.00	41.44	900	373.00	385.17	373.00	337.50
04/04/2001	49.40	23.00	900	294.00	372.14	207.00	318.86

Production Data For Study Site



Production (lbs/ac) Data Trends

(Data Extracted From VMAP System)

VEGID: 360 **Date Printed:** 7/21/2004

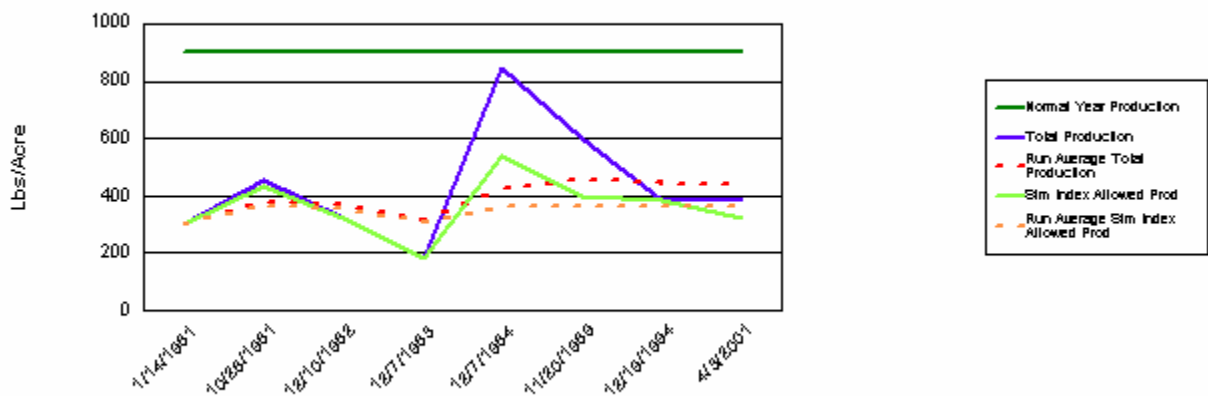
Allot No. 65062 **Allotment** SLASH G-WOODS- **Ecosite ID** 042CY007NM **Ecosite Name** LOAMY SD-3 **Site Name** 65062-SPRING-D104

Location: T. 0110S R. 0260E **Sec.** 13 **QtrQt** SESW **UTM-N** 3691329.44626
 CHAVES County, NM **UTM-E** 565094.44957

Soil Sur No NM666 **Soil Map Unit** Ru **Soil Tax Name** RUSSLER **Soil Association** RUSSLER

Date	Range Cond.	Similarity Index	Normal Year Production	Total Production	Running Average Production	Sim Index Allowed Production	Running Average Sim Index Allowed Production
01/14/1981	54.65	33.33	900	300.00	300.00	300.00	300.00
10/28/1981	50.38	47.89	900	457.00	378.50	431.00	365.50
12/10/1982	59.16	35.89	900	325.00	360.67	323.00	351.33
12/07/1983	52.00	20.00	900	180.00	315.50	180.00	308.50
12/07/1984	60.98	59.89	900	846.00	421.60	539.00	354.60
11/20/1989	45.00	44.56	900	604.00	452.00	401.00	362.33
12/19/1994	56.00	43.11	900	388.00	442.86	388.00	366.00
04/03/2001	48.55	36.11	900	391.00	436.38	325.00	360.88

Production Data For Study Site



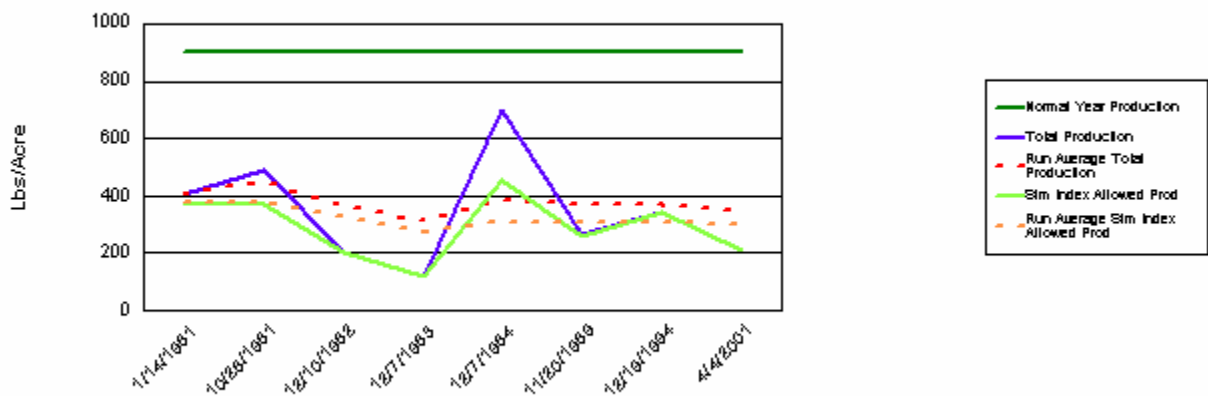
Production (lbs/ac) Data Trends

(Data Extracted From VMAP System)

VEGID:	361				Date Printed:	7/21/2004
Allot No.	Allotment	Ecosite ID	Ecosite Name	Site Name		
65062	SLASH G-WOODS-	042CY007NM	LOAMY SD-3	65062-COMANCHE DRAW-		
Location:	T. 0110S	R. 0260E	Sec. 14	QtrQt SWSW	UTM-N	3691480.81177
CHAVES	County, NM				UTM-E	563396.99053
Soil Sur No		Soil Map Unit	Soil Tax Name	Soil Association		
NM666		RL	REEVES	REEVES-HOLLOMAN		

Date	Range Cond.	Similarity Index	Normal Year Production	Total Production	Running Average Production	Sim Index Allowed Production	Running Average Sim Index Allowed Production
01/14/1981	63.53	42.00	900	407.00	407.00	378.00	378.00
10/28/1981	58.39	41.56	900	489.00	448.00	374.00	376.00
12/10/1982	50.38	22.89	900	206.00	367.33	206.00	319.33
12/07/1983	50.00	13.56	900	122.00	306.00	122.00	270.00
12/07/1984	52.02	50.67	900	699.00	384.60	456.00	307.20
11/20/1989	51.00	28.89	900	263.00	364.33	260.00	299.33
12/19/1994	62.00	38.00	900	342.00	361.14	342.00	305.43
04/04/2001	54.72	23.56	900	212.00	342.50	212.00	293.75

Production Data For Study Site



Production (lbs/ac) Data Trends

(Data Extracted From VMAP System)

VEGID: 362 **Date Printed:** 7/21/2004

Allot No. 65062 **Allotment** SLASH G-WOODS- **Ecosite ID** 042CY007NM **Ecosite Name** LOAMY SD-3 **Site Name** 65062-#3N-D106

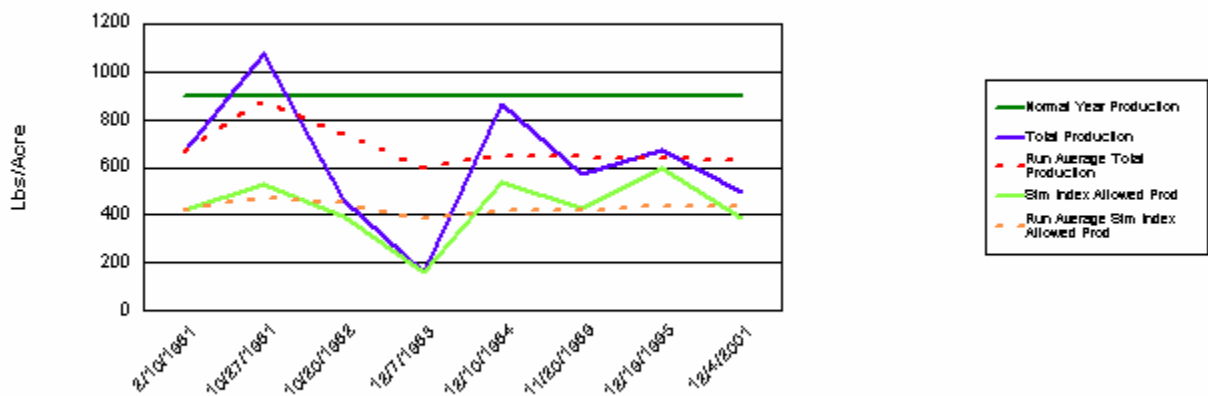
Location: T. 0110S R. 0260E **Sec.** 36 **QtrQt** NWNE **UTM-N** 3687903.40

CHAVES County, NM **UTM-E** 566063.27

Soil Sur No NM666 **Soil Map Unit** TS **Soil Tax Name** TENCEE **Soil Association** TENCEE-SOTIM

Date	Range Cond.	Similarity Index	Normal Year Production	Total Production	Running Average Production	Sim Index Allowed Production	Running Average Sim Index Allowed Production
02/10/1981	48.55	46.33	900	667.00	667.00	417.00	417.00
10/27/1981	56.72	58.78	900	1,075.00	871.00	529.00	473.00
10/20/1982	46.31	44.22	900	463.00	735.00	398.00	448.00
12/07/1983	61.32	18.22	900	164.00	592.25	164.00	377.00
12/10/1984	60.00	59.33	900	865.00	646.80	534.00	408.40
11/20/1989	50.00	47.56	900	571.00	634.17	428.00	411.67
12/19/1995	71.00	66.11	900	669.00	639.14	595.00	437.86
12/04/2001	46.00	43.33	900	499.00	621.63	390.00	431.88

Production Data For Study Site



Production (lbs/ac) Data Trends

(Data Extracted From VMAP System)

VEGID: 363

Date Printed: 7/21/2004

Allot No. **Allotment**

Ecosite ID

Ecosite Name

Site Name

65062 SLASH G-WOODS-

042CY007NM

LOAMY SD-3

65062-#3S-D107

Location: T. 0120S

R. 0270E

Sec. 07

QtrQt SENE

UTM-N 3684016.60

CHAVES

County, NM

UTM-E 567862.36

Soil Sur No

Soil Map Unit

Soil Tax Name

Soil Association

NM666

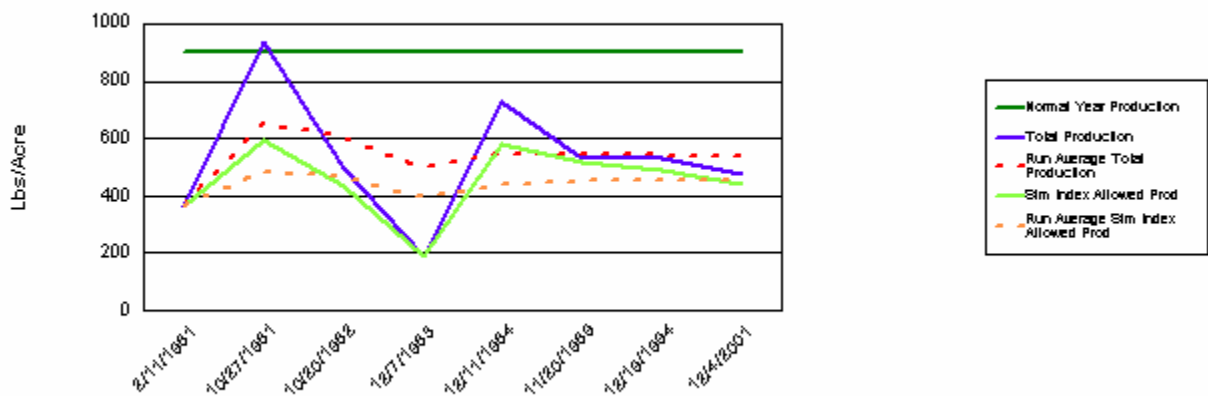
RL

REEVES

REEVES-HOLLOMAN

Date	Range Cond.	Similarity Index	Normal Year Production	Total Production	Running Average Production	Sim Index Allowed Production	Running Average Sim Index Allowed Production
02/11/1981	54.34	40.33	900	363.00	363.00	363.00	363.00
10/27/1981	65.49	66.22	900	937.00	650.00	596.00	479.50
10/20/1982	54.21	47.89	900	499.00	599.67	431.00	463.33
12/07/1983	78.12	20.89	900	188.00	496.75	188.00	394.50
12/11/1984	67.46	64.56	900	726.00	542.60	581.00	431.80
11/20/1989	71.00	57.89	900	529.00	540.33	521.00	446.67
12/19/1994	75.00	54.56	900	532.00	539.14	491.00	453.00
12/04/2001	55.35	48.67	900	477.00	531.38	438.00	451.13

Production Data For Study Site



Production (lbs/ac) Data Trends

(Data Extracted From VMAP System)

VEGID: 364 **Date Printed:** 7/21/2004

Allot No. 65062 **Allotment** SLASH G-WOODS- **Ecosite ID** 042CY006NM **Ecosite Name** GYP UPLAND SD-3 **Site Name** 65062-#9-D108

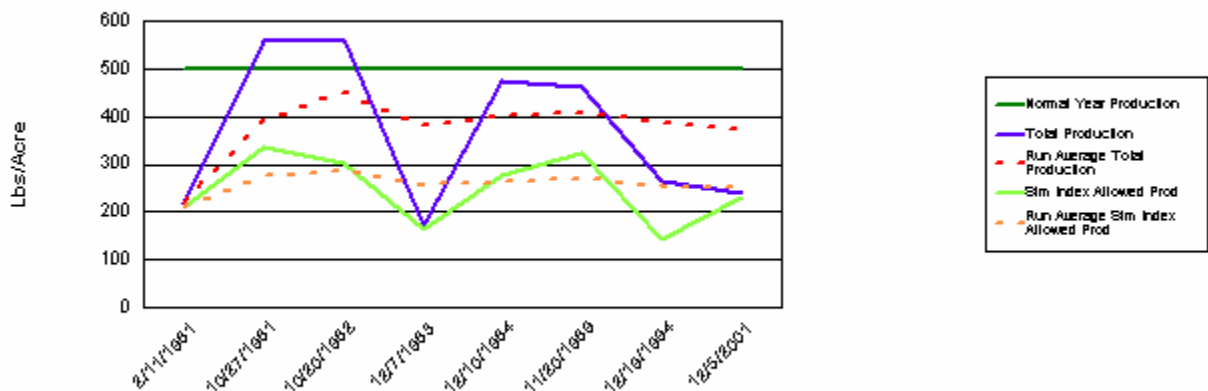
Location: T. 0120S R. 0260E **Sec.** 01 **QtrQt** SWSW **UTM-N** 3684718.91

CHAVES County, NM **UTM-E** 565178.15

Soil Sur No NM666 **Soil Map Unit** HrC **Soil Tax Name** HOLLOMAN **Soil Association** HOLLOMAN-GYPSUM LAND

Date	Range Cond.	Similarity Index	Normal Year Production	Total Production	Running Average Production	Sim Index Allowed Production	Running Average Sim Index Allowed Production
02/11/1981	57.78	42.40	500	220.00	220.00	212.00	212.00
10/27/1981	66.66	67.40	500	557.00	388.50	337.00	274.50
10/20/1982	58.62	60.60	500	563.00	446.67	303.00	284.00
12/07/1983	60.19	32.80	500	171.00	377.75	164.00	254.00
12/10/1984	56.11	55.60	500	474.00	397.00	278.00	258.80
11/20/1989	67.00	65.00	500	462.00	407.83	325.00	269.83
12/19/1994	45.00	28.60	500	264.00	387.29	143.00	251.71
12/05/2001	56.42	46.20	500	240.00	368.88	231.00	249.13

Production Data For Study Site



Production (lbs/ac) Data Trends

(Data Extracted From VMAP System)

VEGID: 365 **Date Printed:** 7/21/2004

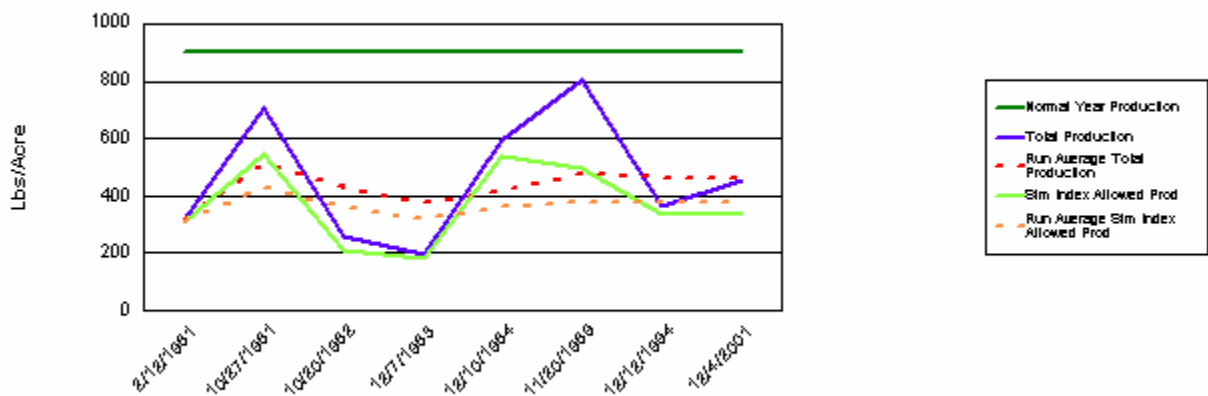
Allot No. 65062 **Allotment** SLASH G-WOODS- **Ecosite ID** 042CY007NM **Ecosite Name** LOAMY SD-3 **Site Name** 65062-#10E-D109

Location: T. 0120S R. 0270E **Sec.** 09 **QtrQt** SWSW **UTM-N** 3683392.66
 CHAVES County, NM **UTM-E** 569835.08

Soil Sur No NM666 **Soil Map Unit** So **Soil Tax Name** SOTIM **Soil Association** SOTIM

Date	Range Cond.	Similarity Index	Normal Year Production	Total Production	Running Average Production	Sim Index Allowed Production	Running Average Sim Index Allowed Production
02/12/1981	57.60	34.11	900	312.00	312.00	307.00	307.00
10/27/1981	62.26	60.89	900	703.00	507.50	548.00	427.50
10/20/1982	57.93	23.56	900	262.00	425.67	212.00	355.67
12/07/1983	67.48	20.44	900	195.00	368.00	184.00	312.75
12/10/1984	72.63	60.11	900	595.00	413.40	541.00	358.40
11/20/1989	56.00	55.11	900	803.00	478.33	496.00	381.33
12/12/1994	67.00	37.11	900	367.00	462.43	334.00	374.57
12/04/2001	53.73	37.22	900	453.00	461.25	335.00	369.63

Production Data For Study Site



Production (lbs/ac) Data Trends

(Data Extracted From VMAP System)

VEGID: 366 **Date Printed:** 7/21/2004

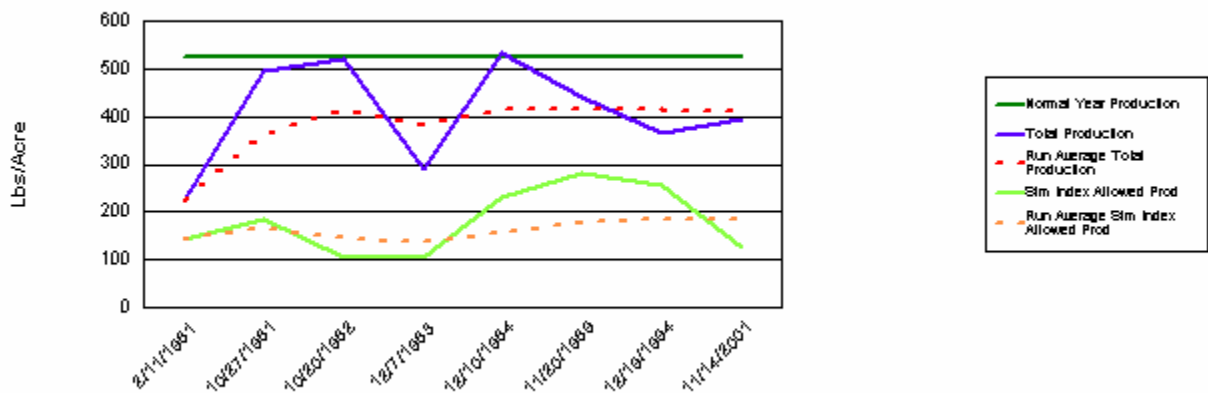
Allot No. 65062 **Allotment** SLASH G-WOODS- **Ecosite ID** 042CY025NM **Ecosite Name** SHALLOW SD-3 **Site Name** 65062-#10W-D110

Location: T. 0120S R. 0270E **Sec.** 08 **QtrQt** NWNE **UTM-N** 3684757.40
 CHAVES County, NM **UTM-E** 569040.91

Soil Sur No NM666 **Soil Map Unit** Te **Soil Tax Name** TENCEE **Soil Association** TENCEE

Date	Range Cond.	Similarity Index	Normal Year Production	Total Production	Running Average Production	Sim Index Allowed Production	Running Average Sim Index Allowed Production
02/11/1981	48.16	27.05	525	224.00	224.00	142.00	142.00
10/27/1981	35.93	35.24	525	496.00	360.00	185.00	163.50
10/20/1982	19.93	19.81	525	519.00	413.00	104.00	143.67
12/07/1983	25.61	20.00	525	291.00	382.50	105.00	134.00
12/10/1984	43.58	44.19	525	534.00	412.80	232.00	153.60
11/20/1989	56.00	53.90	525	439.00	417.17	283.00	175.17
12/19/1994	54.00	48.57	525	364.00	409.57	255.00	186.57
11/14/2001	28.95	23.81	525	396.00	407.88	125.00	178.88

Production Data For Study Site



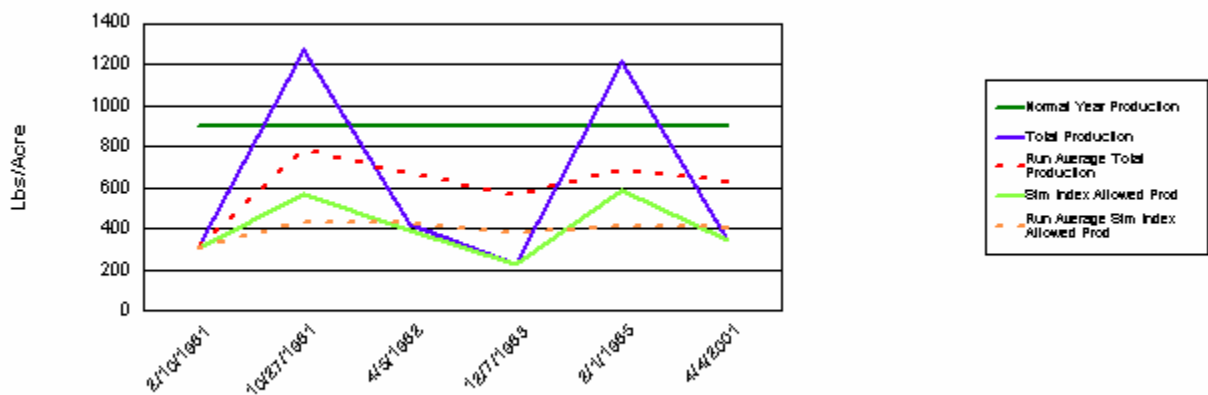
Production (lbs/ac) Data Trends

(Data Extracted From VMAP System)

VEGID:	521				Date Printed:	7/21/2004
Allot No.	Allotment	Ecosite ID	Ecosite Name		Site Name	
65062	SLASH G-WOODS-	042CY007NM	LOAMY SD-3		65062-SORENSEN-D266	
Location:	T. 0110S	R. 0270E	Sec. 30	QtrQt NENE	UTM-N	3689518.83592
CHAVES	County, NM				UTM-E	567841.02373
Soil Sur No		Soil Map Unit	Soil Tax Name		Soil Association	
NM666		TS	TENCEE		TENCEE-SOTIM	

Date	Range Cond.	Similarity Index	Normal Year Production	Total Production	Running Average Production	Sim Index Allowed Production	Running Average Sim Index Allowed Production
02/10/1981	54.30	33.44	900	301.00	301.00	301.00	301.00
10/27/1981	56.95	63.11	900	1,269.00	785.00	568.00	434.50
04/05/1982	61.93	43.22	900	421.00	663.67	389.00	419.33
12/07/1983	69.82	25.22	900	227.00	554.50	227.00	371.25
02/01/1985	61.00	65.44	900	1,211.00	685.80	589.00	414.80
04/04/2001	68.09	38.56	900	348.00	629.50	347.00	403.50

Production Data For Study Site



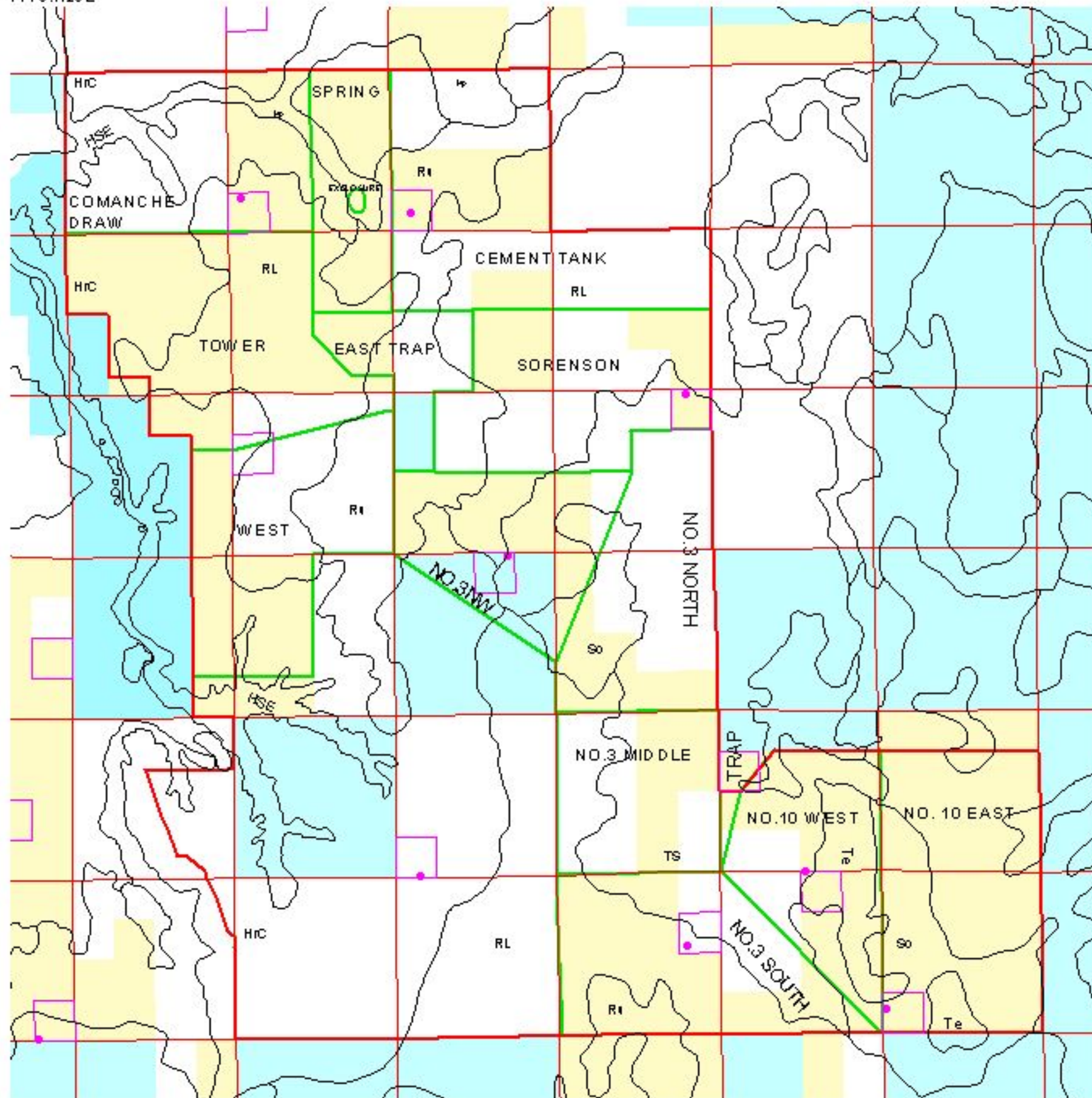


Rangeland Health Assessment Soil Sampling Units

Allotment 65062



T11S.R26E



T12S.R27E

0.5 0 0.5 Miles



Public



State



Study Locations



Private



Study Plots



Pasture Boundary



Soil Sampling Units



Allotment Boundary

Produced by the Roswell Field Office
GIS Intern on July 3, 2003.

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of the data used in the preparation of this map. The data were obtained from various sources, including the Bureau of Land Management, the National Aeronautics and Space Administration, and the United States Geological Survey. The data were processed and analyzed by the Bureau of Land Management, and the results are presented on this map. The data were obtained from various sources, including the Bureau of Land Management, the National Aeronautics and Space Administration, and the United States Geological Survey. The data were processed and analyzed by the Bureau of Land Management, and the results are presented on this map.